

Cluster ID	Cluster Type	IMG taxon	Species	Genome display name
1	clique	2518645543	Bartonella quintana	Bartonella quintana RM-11
1	clique	637000028	Bartonella quintana	Bartonella quintana Toulouse
2	clique	643886177	Bacillus cereus	Bacillus cereus AH1272
2	clique	2531839366	Bacillus cereus	Bacillus cereus VDM053
2	clique	2519103128	Bacillus cereus	Bacillus cereus BAG3X2-1
2	clique	643886176	Bacillus cereus	Bacillus cereus AH1273
2	clique	2534681694	Bacillus cereus	Bacillus cereus BAG10-1
2	clique	2519103074	Bacillus cereus	Bacillus cereus BAG1X1-3
3	clique	2547132273	Escherichia sp.	Escherichia sp. TW15838
3	clique	2531839473	Escherichia coli	Escherichia coli M863
3	clique	2531839180	Escherichia coli	Escherichia coli TW10509
3	clique	2547132275	Escherichia sp.	Escherichia sp. TW10509
3	clique	2534682161	Escherichia coli	Escherichia coli STEC_7v
3	clique	2534681675	Escherichia coli	Escherichia coli O2:H4 1.2741
4	clique	647000289	Peptoniphilus lacrimalis	Peptoniphilus lacrimalis 315-B
4	clique	2519899691	Peptoniphilus lacrimalis	Peptoniphilus lacrimalis DSM 7455
4	clique	648276711	Peptoniphilus sp.	Peptoniphilus sp. F0141
5	clique	2554235314	Achromobacter xylosoxidans	Achromobacter xylosoxidans NH44784-1996
5	clique	2531839683	Achromobacter xylosoxidans	Achromobacter xylosoxidans C54
6	clique	2554235350	Rhodococcus erythropolis	Rhodococcus erythropolis CCM2595
6	clique	643692033	Rhodococcus erythropolis	Rhodococcus erythropolis PR4
6	clique	2548876784	Rhodococcus erythropolis	Rhodococcus erythropolis XP
7	clique	2517572143	Bradyrhizobium elkanii	Bradyrhizobium elkanii USDA 76
7	clique	2548876987	Bradyrhizobium elkanii	Bradyrhizobium elkanii 587
7	clique	2513237137	Bradyrhizobium elkanii	Bradyrhizobium elkanii USDA 94
8	clique-group	2264867087	unclassified	Calescamantes bacterium JGI 0000106-N7 (GBS-C_001_292)
8	clique-group	2264867079	unclassified	Calescamantes bacterium SCGC AAA471-M6 (GBS-N_001_25)
8	clique-group	2527291514	unclassified	Calescamantes bacterium JGI 0000106-G12 (Combined_Assembly_EM19_1_EM19)
9	clique	2534681896	Klebsiella pneumoniae	Klebsiella pneumoniae 700603
9	clique	2554235007	Klebsiella pneumoniae	Klebsiella pneumoniae 12-3578
10	clique	637000043	Buchnera aphidicola	Buchnera aphidicola APS
10	clique	650377917	Buchnera aphidicola	Buchnera aphidicola LL01
10	clique	650377915	Buchnera aphidicola	Buchnera aphidicola JF98
10	clique	643348520	Buchnera aphidicola	Buchnera aphidicola 5A
10	clique	645951868	Buchnera aphidicola	Buchnera aphidicola LSR1
10	clique	650377918	Buchnera aphidicola	Buchnera aphidicola TLW03
10	clique	643348522	Buchnera aphidicola	Buchnera aphidicola Tuc7
10	clique	650377916	Buchnera aphidicola	Buchnera aphidicola JF99
11	clique	637000231	Ralstonia solanacearum	Ralstonia solanacearum GM11000
11	clique	2554235178	Ralstonia solanacearum	Ralstonia solanacearum SD54
11	clique	2547132110	Ralstonia solanacearum	Ralstonia solanacearum Y45
11	clique	2548876765	Ralstonia solanacearum	Ralstonia solanacearum FJAT-1458
11	clique	2548876764	Ralstonia solanacearum	Ralstonia solanacearum FJAT-91
12	clique	2541047518	Clostridium sp.	Clostridium bifermentans ATCC 638
12	clique	2541047517	Clostridium bifermentans	Clostridium bifermentans ATCC 19299
13	clique	649633021	Burkholderia sp.	Burkholderia sp. CCGE1001
13	clique	2518645580	Burkholderia phenoliruptrix	Burkholderia phenoliruptrix BR3459
13	clique	2526164713	Burkholderia sp.	Burkholderia sp. JPY366
13	clique	2554235175	Burkholderia phenoliruptrix	Burkholderia phenoliruptrix AC1100
14	clique	2521172664	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALMg13-2
14	clique	2518285530	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL3
14	clique	2521172675	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALMg9
14	clique	2521172542	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL10
14	clique	2521172540	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL8
14	clique	2521172665	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALMg2
14	clique	2521172666	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALMg3
14	clique	2521172544	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL7
14	clique	2518285532	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL9
14	clique	2518285531	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL6
14	clique	2518285528	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL12
15	clique-group	2529293054	Streptococcus thermophilus	Streptococcus thermophilus CNCM I-1630
15	clique-group	637000303	Streptococcus thermophilus	Streptococcus thermophilus LMG 18311
15	clique-group	2518645545	Streptococcus thermophilus	Streptococcus thermophilus MN-ZLW-002
15	clique-group	650377980	Streptococcus thermophilus	Streptococcus thermophilus ND03
15	clique-group	651053075	Streptococcus thermophilus	Streptococcus thermophilus JIM 8232
15	clique-group	639633062	Streptococcus thermophilus	Streptococcus thermophilus LMD-9
15	clique-group	637000302	Streptococcus thermophilus	Streptococcus thermophilus CNRZ1066
16	clique	2541046973	Bacteroidetes sp.	Bacteroidetes sp. F0290
16	clique	2556793004	Phocaeicola abscessus	Phocaeicola abscessus CCUG 55929
17	clique	642555170	Xanthomonas oryzae	Xanthomonas oryzae pv. oryzae PXO99A
17	clique	2548876516	Xanthomonas oryzae	Xanthomonas oryzae X11-5A
17	clique	2513237179	Xanthomonas oryzae	Xanthomonas oryzae pv oryzicola BLS256
17	clique	637000347	Xanthomonas oryzae	Xanthomonas oryzae pv oryzae MAFF 311018
17	clique	2548876517	Xanthomonas oryzae	Xanthomonas oryzae X8-1A
17	clique	2528768237	Xanthomonas oryzae	Xanthomonas oryzae ATCC 35933
17	clique	637000346	Xanthomonas oryzae	Xanthomonas oryzae pv. oryzae KACC10331
18	clique	2523231032	Tannerella Human	Tannerella sp. CB9/10/12 (CB9/10/12)
18	clique	2523231020	Tannerella Human	Tannerella sp. CB5 (CB5)
18	clique	2523231022	Tannerella Human	Tannerella sp. CB8 (CB8)
19	clique	2529293124	Salmonella enterica	Salmonella enterica houtenae sv. 16:z4,z32:-- RKS3027
19	clique	2545824516	Salmonella enterica	Salmonella enterica houtenae ATCC BAA-1581

20	clique	2531839610	Thermotoga sp.	Thermotoga sp. EMP
20	clique	2554235387	Thermotoga maritima	Thermotoga maritima MSB8
20	clique	637000321	Thermotoga maritima	Thermotoga maritima MSB8
20	clique	2519899531	Thermotoga maritima	Thermotoga maritima MSB8, DSM 3109
21	clique	2554235321	Streptococcus constellatus	Streptococcus constellatus pharyngis C818
21	clique	2554235313	Streptococcus pharyngis	Streptococcus constellatus pharyngis C232
21	clique	2554235322	Streptococcus constellatus	Streptococcus constellatus pharyngis C1050
22	clique	2551306380	Dickeya dianthicola	Dickeya dianthicola NCPPB 3534
22	clique	2551306376	Dickeya dianthicola	Dickeya dianthicola GBBC 2039
22	clique	2551306379	Dickeya dianthicola	Dickeya dianthicola IPO 980
22	clique	2551306377	Dickeya dianthicola	Dickeya dianthicola NCPPB 453
23	clique	2522125156	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALR17-21
23	clique	2518285529	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL17
23	clique	2518285608	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALgr5
24	clique	2547132049	Bacillus subtilis	Bacillus subtilis gtP20b
24	clique	2534682116	Bacillus subtilis	Bacillus subtilis inaquosorum KCTC 13429
25	clique	642555148	Porphyromonas gingivalis	Porphyromonas gingivalis ATCC 33277
25	clique	2506381007	Porphyromonas gingivalis	Porphyromonas gingivalis A7A1-28
25	clique	2506381009	Porphyromonas gingivalis	Porphyromonas gingivalis AJW4
25	clique	2537561784	Porphyromonas gingivalis	Porphyromonas gingivalis W50, ATCC 53978
25	clique	637000209	Porphyromonas gingivalis	Porphyromonas gingivalis W83
25	clique	650716072	Porphyromonas gingivalis	Porphyromonas gingivalis TDC60
25	clique	2531839003	Porphyromonas gingivalis	Porphyromonas gingivalis JCVI SC001
25	clique	2506381008	Porphyromonas gingivalis	Porphyromonas gingivalis 381
25	clique	2506381010	Porphyromonas gingivalis	Porphyromonas gingivalis A7436
26	clique	2545824666	Enterococcus dispar	Enterococcus dispar ATCC 51266
26	clique	2541047447	Enterococcus dispar	Enterococcus dispar ATCC 51266
27	clique	2537562041	Helicobacter pylori	Helicobacter pylori Hp P-15
27	clique	2537562039	Helicobacter pylori	Helicobacter pylori Hp P-23
27	clique	2531839714	Helicobacter pylori	Helicobacter pylori Hp P-74
27	clique	2526164581	Helicobacter pylori	Helicobacter pylori Hp P-15b
27	clique	2529293119	Helicobacter pylori	Helicobacter pylori Hp H-27
28	clique	637000246	Rickettsia typhi	Rickettsia typhi Wilmington
28	clique	2512564057	Rickettsia typhi	Rickettsia typhi TH1527
28	clique	2512564075	Rickettsia typhi	Rickettsia typhi B9991CWPP
29	clique	2516493007	Clostridium beijerinckii	Clostridium beijerinckii G117
29	clique	640753016	Clostridium beijerinckii	Clostridium beijerinckii NCIMB 8052
29	clique	2554235113	Clostridium diolis	Clostridium diolis DSM 15410
30	clique	2554235376	Amycolatopsis mediterranei	Amycolatopsis mediterranei RB
30	clique	648028006	Amycolatopsis mediterranei	Amycolatopsis mediterranei U32
30	clique	2517093034	Amycolatopsis mediterranei	Amycolatopsis mediterranei S699
30	clique	2511231181	Amycolatopsis mediterranei	Amycolatopsis mediterranei S699, ATCC 13685
31	clique	646564515	Burkholderia sp.	Burkholderia sp. CCGE1002
31	clique	2515154122	Burkholderia sp.	Burkholderia sp. JPY251
32	clique	2554235236	Bacillus sp.	Bacillus sp. SB47
32	clique	2551306715	Bacillus licheniformis	Bacillus licheniformis 9945A
32	clique	2551306100	Bacillus sp.	Bacillus sp. CPSM8
33	clique	637000117	Fusobacterium nucleatum	Fusobacterium nucleatum nucleatum ATCC 25586
33	clique	647000254	Fusobacterium nucleatum	Fusobacterium nucleatum nucleatum ATCC 23726
33	clique	2554235042	Fusobacterium nucleatum	Fusobacterium nucleatum nucleatum ChDC F316
34	clique	644736398	Pedobacter heparinus	Pedobacter heparinus HIM 762-3, DSM 2366
34	clique	2554235035	Pedobacter heparinus	Pedobacter heparinus DSM 2366
35	clique	2545824706	Candidatus Liberibacter americanus	Candidatus Liberibacter americanus PW_SP
35	clique	2554235402	Candidatus Liberibacter americanus	Candidatus Liberibacter americanus Sao Paulo
36	clique	2524614797	Clostridium clariflavum	Clostridium clariflavum 4-2a
36	clique	2507262051	Clostridium clariflavum	Clostridium clariflavum EBR 45, DSM 19732
37	clique	2548876814	Rhizobium phaseoli	Rhizobium phaseoli Ch24-10
37	clique	642555152	Rhizobium etli	Rhizobium etli CIAT 652
37	clique	2529292711	Rhizobium etli	Rhizobium etli CNPAF512
38	clique	2531839005	Vibrio harveyi	Vibrio harveyi CAIM 1792
38	clique	2551306646	Vibrio harveyi	Vibrio harveyi AOD131
38	clique	2534681928	Vibrio cholerae	Vibrio cholerae HENC-01
38	clique	2551306039	Vibrio harveyi	Vibrio harveyi ZJ0603
39	clique	2554235408	Meiothermus ruber	Meiothermus ruber DSM 1279
39	clique	646564545	Meiothermus ruber	Meiothermus ruber 21, DSM 1279
39	clique	2547132192	Meiothermus ruber	Meiothermus ruber H328
40	clique	2511231136	Xanthomonas campestris	Xanthomonas campestris pv. raphani 756C
40	clique	2547132159	Xanthomonas campestris	Xanthomonas campestris JX
40	clique	2554235204	Xanthomonas campestris	Xanthomonas campestris pv. campestris CN14
40	clique	2554235202	Xanthomonas campestris	Xanthomonas campestris pv. campestris CN16
40	clique	2551306187	Xanthomonas campestris	Xanthomonas campestris pv. campestris Xca5
40	clique	2554235203	Xanthomonas campestris	Xanthomonas campestris pv. campestris CN15
40	clique	637000343	Xanthomonas campestris	Xanthomonas campestris pv campestris 8004
40	clique	642555169	Xanthomonas campestris	Xanthomonas campestris pv campestris B100
40	clique	637000344	Xanthomonas campestris	Xanthomonas campestris pv campestris ATCC 33913
41	clique	651324046	unclassified	Lachnospiraceae bacterium 1_1_57FAA
41	clique	649989958	unclassified	Lachnospiraceae bacterium sp. 8_1_57FAA
41	clique	640963025	Ruminococcus torques	Ruminococcus torques ATCC 27756
41	clique	651324050	unclassified	Lachnospiraceae bacterium 3_1_46FAA
42	clique	2519103103	Brachyspira pilosicoli	Brachyspira pilosicoli B2904
42	clique	2526164716	Brachyspira pilosicoli	Brachyspira pilosicoli WesB
42	clique	648028009	Brachyspira pilosicoli	Brachyspira pilosicoli 95/1000

42	clique	2521172718	Brachyspira pilosicoli	Brachyspira pilosicoli P43/6/78
43	clique	2554235341	Pseudomonas fluorescens	Pseudomonas fluorescens CHA0
43	clique	637000220	Pseudomonas fluorescens	Pseudomonas fluorescens PF-5
44	clique	2518645579	Borrelia garinii	Borrelia garinii NMJW1
44	clique	642979365	Borrelia garinii	Borrelia garinii Far04
44	clique	642791628	Borrelia garinii	Borrelia garinii PBr
44	clique	643692009	Borrelia garinii	Borrelia garinii PBI
44	clique	2511231194	Borrelia garinii	Borrelia garinii BgVir
45	clique	2551306542	unclassified	Herbaspirillum sp. B65
45	clique	2551306410	Herbaspirillum seropedicae	Herbaspirillum seropedicae Os45
45	clique	2551306545	unclassified	Herbaspirillum sp. B501
45	clique	2551306416	Herbaspirillum seropedicae	Herbaspirillum seropedicae Os34
46	clique	646206273	Bacteroides sp.	Bacteroides sp. 3_2_5
46	clique	637000025	Bacteroides fragilis	Bacteroides fragilis YCH46
46	clique	647533110	Bacteroides sp.	Bacteroides sp. 2_1_16
46	clique	2537562066	Bacteroides fragilis	Bacteroides fragilis CL03T00C08
46	clique	2537561570	Bacteroides fragilis	Bacteroides fragilis CL05T12C13
46	clique	2531839305	Bacteroides fragilis	Bacteroides fragilis CL07T00C01
46	clique	2534681944	Bacteroides fragilis	Bacteroides fragilis HMW 615
46	clique	2531839306	Bacteroides fragilis	Bacteroides fragilis CL07T12C05
46	clique	637000024	Bacteroides fragilis	Bacteroides fragilis NCTC 9343
46	clique	651324014	Bacteroides sp.	Bacteroides sp. 2_1_56FAA
46	clique	2531839304	Bacteroides fragilis	Bacteroides fragilis CL03T12C07
46	clique	650377910	Bacteroides fragilis	Bacteroides fragilis 638R
47	clique	2554235436	Candidatus Portiera sp.	Candidatus Portiera aleyrodidarum BT-B-HRs
47	clique	2517093038	Candidatus Portiera aleyrodidarum	Candidatus Portiera aleyrodidarum BT-B
47	clique	2518645538	Candidatus Portiera aleyrodidarum	Candidatus Portiera aleyrodidarum BT-Q-AWRs
47	clique	2522572174	Candidatus Portiera aleyrodidarum	Candidatus Portiera aleyrodidarum BT-QVLC
48	clique	641380432	Phaeobacter gallaeciensis	Phaeobacter gallaeciensis BS107, CIP 105210
48	clique	2510065028	Phaeobacter gallaeciensis	Phaeobacter gallaeciensis 2.10
48	clique	2516653078	Phaeobacter inhibens	Phaeobacter inhibens T5, DSM 16374
48	clique	2510065029	Phaeobacter gallaeciensis	Phaeobacter gallaeciensis DSM 17395
49	clique	639633022	Desulfovibrio vulgaris	Desulfovibrio vulgaris vulgaris DP4
49	clique	637000096	Desulfovibrio vulgaris	Desulfovibrio vulgaris vulgaris Hildenborough
50	clique	2540341179	Mycoplasma putrefaciens	Mycoplasma putrefaciens Mput9231
50	clique	2511231058	Mycoplasma putrefaciens	Mycoplasma putrefaciens KS1
51	clique	2511231180	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens XH7
51	clique	649633008	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens Campbell F, DSM 7
51	clique	651053002	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens TA208
51	clique	651053001	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens LL3
52	clique-group	2529293004	Bacillus cereus	Bacillus cereus AND1407
52	clique-group	2554235226	Bacillus sp.	Bacillus cereus LCT-BC235
52	clique-group	2537562207	Bacillus cereus	Bacillus cereus IS075
52	clique-group	643348510	Bacillus cereus	Bacillus cereus AH187 (F4810/72)
52	clique-group	2537562036	Bacillus cereus	Bacillus cereus IS195
52	clique-group	2537561734	Bacillus cereus	Bacillus cereus IS845/00
52	clique-group	2554235219	Bacillus sp.	Bacillus cereus LCT-BC25
52	clique-group	2519103166	Bacillus cereus	Bacillus cereus MSX-A12
52	clique-group	650377908	Bacillus thuringiensis	Bacillus thuringiensis sv. finitimus YBT-020
52	clique-group	641736136	Bacillus cereus	Bacillus cereus H3081.97
52	clique-group	2519103149	Bacillus cereus	Bacillus cereus VD102
52	clique-group	643348514	Bacillus cereus	Bacillus cereus Q1
52	clique-group	2548876851	Bacillus cereus	Bacillus cereus LCT-BC244
52	clique-group	643886164	Bacillus cereus	Bacillus cereus BDRD-ST26
52	clique-group	2519103154	Bacillus cereus	Bacillus cereus MSX-D12
52	clique-group	2511231081	Bacillus cereus	Bacillus cereus NC7401
52	clique-group	643886042	Bacillus cereus	Bacillus cereus m1293
53	clique	2554235360	Corynebacterium glutamicum	Corynebacterium glutamicum ATCC 13032
53	clique	2545824695	Corynebacterium crenatum	Corynebacterium crenatum MT
53	clique	2531839299	Corynebacterium glutamicum	Corynebacterium glutamicum ATCC 14067
53	clique	639279307	Corynebacterium glutamicum	Corynebacterium glutamicum Nakagawa ATCC 13032
53	clique	2554235421	Corynebacterium glutamicum	Corynebacterium glutamicum SCgG1
53	clique	2554235405	Corynebacterium glutamicum	Corynebacterium glutamicum MB001
53	clique	2541047465	Corynebacterium glutamicum	Corynebacterium glutamicum Z188
53	clique	2534681606	Corynebacterium glutamicum	Corynebacterium glutamicum S9114
53	clique	640427110	Corynebacterium glutamicum	Corynebacterium glutamicum R
53	clique	2554235422	Corynebacterium glutamicum	Corynebacterium glutamicum SCgG2
53	clique	639279306	Corynebacterium glutamicum	Corynebacterium glutamicum Kalinowski ATCC 13032
54	clique	2511231149	Lactococcus lactis	Lactococcus lactis cremoris A76
54	clique	639633031	Lactococcus lactis	Lactococcus lactis cremoris SK11
54	clique	2554235455	Lactococcus lactis	Lactococcus lactis cremoris KW2
54	clique	648231713	Lactococcus lactis	Lactococcus lactis cremoris NZ9000
54	clique	640069315	Lactococcus lactis	Lactococcus lactis cremoris MG1363
54	clique	2519103111	Lactococcus lactis	Lactococcus lactis cremoris UC509.9
55	clique	2551306359	Acinetobacter baylyi	Acinetobacter baylyi TG19579
55	clique	637000002	Acinetobacter baylyi	Acinetobacter baylyi ADP1
56	clique	2545824755	Burkholderia vietnamiensis	Burkholderia vietnamiensis AU4i
56	clique	2509276048	Burkholderia cepacia	Burkholderia cepacia UCB 717, ATCC 25416
57	clique	2548877023	Chlorogloeopsis sp.	Chlorogloeopsis sp. PCC 9212
57	clique	2551306142	Chlorogloeopsis fritschii	Chlorogloeopsis fritschii PCC 6912
57	clique	2509601037	Chlorogloeopsis fritschii	Chlorogloeopsis fritschii PCC 6912 (CLC Draft 2)
58	clique	2551306465	Bartonella rattimassiliensis	Bartonella rattimassiliensis 15908

58	clique	2529293191	Bartonella rattimassiliensis	Bartonella rattimassiliensis 15908
59	clique-group	2515154058	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-H194
59	clique-group	647000215	Bacteroides xylanisolvens	Bacteroides xylanisolvens SD CC 1b
59	clique-group	2513020024	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-C182
59	clique-group	2514885006	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-G421
59	clique-group	651324013	Bacteroides sp.	Bacteroides sp. 1_1_30
59	clique-group	2513020033	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-P727 (Illumina Draft assembly with Velvet)
59	clique-group	647000212	Bacteroides ovatus	Bacteroides ovatus SD CC 2a
59	clique-group	2513020035	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-P736 (Illumina Draft assembly with Velvet)
59	clique-group	2537561660	Bacteroides xylanisolvens	Bacteroides xylanisolvens CL03T12C04
59	clique-group	650377911	Bacteroides xylanisolvens	Bacteroides xylanisolvens XB1A
59	clique-group	646206264	Bacteroides sp.	Bacteroides sp. D1
59	clique-group	2513020025	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-C29 (Illumina Draft assembly with Velvet)
59	clique-group	2513020031	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-P393
59	clique-group	2514885005	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-G310
59	clique-group	2513020034	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-P732 (Illumina Draft assembly with Velvet)
59	clique-group	647533111	Bacteroides sp.	Bacteroides sp. 2_1_22
59	clique-group	2513020030	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-P352
59	clique-group	2513020026	Bacteroides xylanisolvens	Bacteroides xylanisolvens NLAE-zl-C339 (Illumina Draft assembly with Velvet)
59	clique-group	648861004	Bacteroides sp.	Bacteroides sp. D22
60	clique	2508501062	Pseudomonas syringae	Pseudomonas syringae pv. lachrymans M302278PT (Lac106)
60	clique	2505313047	Pseudomonas syringae	Pseudomonas syringae PmaH7608 (Psy39)
60	clique	648276720	Pseudomonas syringae	Pseudomonas syringae pv. tomato NCPPB 1108
60	clique	642979329	Pseudomonas syringae	Pseudomonas syringae pv. tomato T1
60	clique	2505313056	Pseudomonas syringae	Pseudomonas syringae Pla3988 (Psy96)
60	clique	2505313065	Pseudomonas syringae	Pseudomonas syringae PmaM6 (Psy38)
60	clique	2524614587	Pseudomonas syringae	Pseudomonas syringae CC1630
60	clique	2508501074	Pseudomonas syringae	Pseudomonas syringae pv. tomato DC3000 (DC3000 gold standard)
60	clique	648276718	Pseudomonas syringae	Pseudomonas syringae pv. tomato K40
60	clique	648276719	Pseudomonas syringae	Pseudomonas syringae pv. tomato Max13
61	clique	2511231052	Sinorhizobium meliloti	Ensifer meliloti AK58
61	clique	2513237140	Sinorhizobium meliloti	Ensifer meliloti GVPV12
61	clique	2551306091	Ensifer meliloti	Ensifer meliloti C0431A
61	clique	2551306093	Ensifer meliloti	Ensifer meliloti C0438LL
61	clique	2551306089	Ensifer meliloti	Ensifer meliloti 1A42
61	clique	650716086	Ensifer meliloti	Ensifer meliloti AK83, DSM 23913
61	clique	648276728	Ensifer meliloti	Ensifer meliloti BL225C
61	clique	2513237091	Ensifer meliloti	Ensifer meliloti RRI128
61	clique	2516653046	Ensifer meliloti	Ensifer meliloti BO21CC
61	clique	2551306084	Ensifer meliloti	Ensifer meliloti 5A14
61	clique	2510065056	Ensifer meliloti	Ensifer meliloti CIAM1775
61	clique	2551306086	Sinorhizobium meliloti	Ensifer meliloti AK11
61	clique	2551306085	Ensifer meliloti	Ensifer meliloti AE608H
61	clique	2551306148	Ensifer meliloti	Ensifer meliloti H1
61	clique	2513237143	Sinorhizobium meliloti	Ensifer meliloti Mlalz-1
61	clique	651053067	Ensifer meliloti	Ensifer meliloti SM11
61	clique	2551306090	Sinorhizobium meliloti	Ensifer meliloti A0641M
61	clique	2551306092	Ensifer meliloti	Ensifer meliloti AK75
61	clique	2551306087	Ensifer meliloti	Ensifer meliloti A0643DD
61	clique	2519103084	Sinorhizobium meliloti	Ensifer meliloti CCNWSX0020
61	clique	637000269	Ensifer meliloti	Ensifer meliloti 1021
61	clique	2513237086	Ensifer meliloti	Ensifer meliloti MVII-I
61	clique	2523533632	Ensifer meliloti	Ensifer meliloti GR4
61	clique	2510065057	Ensifer meliloti	Ensifer meliloti WSM1022
62	clique	637000224	Pseudomonas syringae	Pseudomonas syringae pv. syringae B728a
62	clique	2506783055	Pseudomonas syringae	Pseudomonas syringae PacA10853
62	clique	2509276053	Pseudomonas syringae	Pseudomonas syringae USA011 (USA011)
62	clique	2508501073	Pseudomonas syringae	Pseudomonas syringae pv. syringae B728a (B728a gold standard)
62	clique	2508501054	Pseudomonas syringae	Pseudomonas syringae pv. aceris M302273PT (Aceris)
62	clique	2506783058	Pseudomonas syringae	Pseudomonas syringae PsyB48
62	clique	2506783023	Pseudomonas syringae	Pseudomonas syringae CC94 (CC94)
62	clique	2507262002	Pseudomonas syringae	Pseudomonas syringae UB303 (UB303)
63	clique	648028045	Mycoplasma hyorhinitis	Mycoplasma hyorhinitis HUB-1
63	clique	2554235454	Mycoplasma hyorhinitis	Mycoplasma hyorhinitis DBS1050
63	clique	2519899697	Mycoplasma hyorhinitis	Mycoplasma hyorhinitis ATCC 17981
63	clique	2519103106	Mycoplasma hyorhinitis	Mycoplasma hyorhinitis SK76
63	clique	2511231163	Mycoplasma hyorhinitis	Mycoplasma hyorhinitis GDL-1
63	clique	2512047042	Mycoplasma hyorhinitis	Mycoplasma hyorhinitis MCLD
64	clique-group	2524614708	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens YRB2005
64	clique-group	2524614878	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens MD2001
64	clique-group	2524614871	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens AB2020
64	clique-group	2524614875	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens ND3005
64	clique-group	2524614707	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens FE2007
64	clique-group	2524614709	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens WTE3004
65	clique	2515154206	Streptomyces sp.	Streptomyces sp. CNT371
65	clique	2517572166	Streptomyces sp.	Streptomyces sp. CNS335
65	clique	2524023247	Streptomyces sp.	Streptomyces sp. CNQ865
65	clique	2517572165	Streptomyces sp.	Streptomyces sp. CNQ766
65	clique	2518285564	Streptomyces sp.	Streptomyces sp. CNY243
66	clique	2551306396	Paenibacillus sp.	Paenibacillus sp. ICGEB2008
66	clique	2547132099	Paenibacillus polymyxa	Paenibacillus polymyxa N.R. Smith 1105, ATCC 842
66	clique	2548876929	Paenibacillus polymyxa	Paenibacillus polymyxa OSY-DF

67	clique	2510065002	Arsenophonus sp.	Arsenophonus sp. ArN
67	clique	2524614872	Arsenophonus nasoniae	Arsenophonus nasoniae DSM 15247
68	clique	643348556	Haemophilus parasuis	Haemophilus parasuis SH0165
68	clique	641736156	Haemophilus parasuis	Haemophilus parasuis 29755
68	clique	2541047150	Haemophilus parasuis	Haemophilus parasuis gx033
68	clique	2554235432	Haemophilus sp.	Haemophilus parasuis ZI0906
69	clique	650716077	Pseudomonas stutzeri	Pseudomonas stutzeri Lautrop AB 201, ATCC 17588
69	clique	2541047503	Pseudomonas stutzeri	Pseudomonas stutzeri B15MN1
69	clique	651053060	Pseudomonas stutzeri	Pseudomonas stutzeri CMT.A.9, DSM 4166
69	clique	640427133	Pseudomonas stutzeri	Pseudomonas stutzeri A1501
70	clique	2534681855	Lactobacillus rhamnosus	Lactobacillus rhamnosus ATCC 21052
70	clique	2519899593	Lactobacillus rhamnosus	Lactobacillus rhamnosus LRHMDP2
70	clique	642979366	Lactobacillus rhamnosus	Lactobacillus rhamnosus HN001
70	clique	646862332	Lactobacillus rhamnosus	Lactobacillus rhamnosus GG, ATCC 53103
70	clique	644736383	Lactobacillus rhamnosus	Lactobacillus rhamnosus Lc 705
70	clique	2554235212	Lactobacillus rhamnosus	Lactobacillus rhamnosus CRL1505
70	clique	643886127	Lactobacillus rhamnosus	Lactobacillus rhamnosus LMS2-1
70	clique	2529293053	Lactobacillus rhamnosus	Lactobacillus rhamnosus R0011
70	clique	2519899592	Lactobacillus rhamnosus	Lactobacillus rhamnosus LRHMDP3
70	clique	2511231185	Lactobacillus rhamnosus	Lactobacillus rhamnosus K, ATCC 8530
70	clique	2554235437	Lactobacillus sp.	Lactobacillus rhamnosus LOCK908
70	clique	644736382	Lactobacillus rhamnosus	Lactobacillus rhamnosus GG
70	clique	2545824642	Lactobacillus sp.	Lactobacillus rhamnosus LOCK900
71	clique	2506783046	Paenibacillus lactis	Paenibacillus lactis 154
71	clique	2509276012	Bacillus sp.	Bacillus sp. J13
72	clique	647533209	Ruegeria sp.	Ruegeria sp. TrichCH4B
72	clique	2534682167	Ruegeria mobilis	Ruegeria mobilis F1926
72	clique	2504756012	Ruegeria mobilis	Ruegeria mobilis 45A6
73	clique	2523231027	Desulfovibrio gigas	Desulfovibrio gigas DSM 1382
73	clique	2554235456	Desulfovibrio gigas	Desulfovibrio gigas DSM 1382, ATCC 19364
74	clique	2531839539	Microbacterium laevaniformans	Microbacterium laevaniformans OR221
74	clique	2541047020	Microbacterium sp.	Microbacterium sp. oral taxon 186 F0373
75	clique	2554235316	Lactobacillus plantarum	Lactobacillus plantarum plantarum P8
75	clique	643886053	Lactobacillus plantarum	Lactobacillus plantarum ATCC 14917
75	clique	648028037	Lactobacillus plantarum	Lactobacillus plantarum plantarum ST-III
75	clique	2540341093	Lactobacillus plantarum	Lactobacillus plantarum ZJ316
75	clique	637000141	Lactobacillus plantarum	Lactobacillus plantarum WCFS1
75	clique	2545824768	Lactobacillus sp.	Lactobacillus plantarum IPLA88
75	clique	644736381	Lactobacillus plantarum	Lactobacillus plantarum JDM1
75	clique	2521172735	Lactobacillus plantarum	Lactobacillus plantarum plantarum NC8
75	clique	2505119027	Lactobacillus plantarum	Lactobacillus plantarum VBLLa 11-47
76	clique	2534681721	Yersinia pestis	Yersinia pestis PY-71
76	clique	2548876674	Yersinia pestis	Yersinia pestis biovar Orientalis BA200901703
76	clique	2534681865	Yersinia pestis	Yersinia pestis PY-25
76	clique	641736243	Yersinia pestis	Yersinia pestis bv Mediaevalis K1973002
76	clique	638341243	Yersinia pestis	Yersinia pestis bv Orientalis IP275
76	clique	2548876676	Yersinia pestis	Yersinia pestis biovar Orientalis AS200902147
76	clique	2529292773	Yersinia pestis	Yersinia pestis PY-14
76	clique	2529292780	Yersinia pestis	Yersinia pestis PY-90
76	clique	645058769	Yersinia pestis	Yersinia pestis bv Orientalis PEXU2
76	clique	2529292769	Yersinia pestis	Yersinia pestis PY-06
76	clique	2534681860	Yersinia pestis	Yersinia pestis PY-34
76	clique	641228512	Yersinia pestis	Yersinia pestis Angola
76	clique	2534681718	Yersinia pestis	Yersinia pestis PY-76
76	clique	646564590	Yersinia pestis	Yersinia pestis Z176003
76	clique	646862350	Yersinia pestis	Yersinia pestis D106004
76	clique	2529292859	Yersinia pestis	Yersinia pestis PY-58
76	clique	2529292867	Yersinia pestis	Yersinia pestis PY-46
76	clique	2534681862	Yersinia pestis	Yersinia pestis PY-15
76	clique	2534681775	Yersinia pestis	Yersinia pestis PY-05
76	clique	2529292771	Yersinia pestis	Yersinia pestis PY-08
76	clique	2540341008	Yersinia pestis	Yersinia pestis PY-02
76	clique	2529292861	Yersinia pestis	Yersinia pestis PY-55
76	clique	2534681601	Yersinia pestis	Yersinia pestis PY-101
76	clique	2551306639	Yersinia pseudotuberculosis	Yersinia pseudotuberculosis B-6864
76	clique	2529292770	Yersinia pestis	Yersinia pestis PY-04
76	clique	645058759	Yersinia pestis	Yersinia pestis Nepal516
76	clique	2511231145	Yersinia pestis	Yersinia pestis A1122
76	clique	2529292767	Yersinia pestis	Yersinia pestis PY-12
76	clique	2529292779	Yersinia pestis	Yersinia pestis PY-89
76	clique	2534681859	Yersinia pestis	Yersinia pestis PY-32
76	clique	2529292783	Yersinia pestis	Yersinia pestis PY-93
76	clique	2534681602	Yersinia pestis	Yersinia pestis PY-100
76	clique	641736247	Yersinia pestis	Yersinia pestis bv Orientalis MG05-1020
76	clique	2551306571	Yersinia pestis	Yersinia pestis G1670A
76	clique	2529292863	Yersinia pestis	Yersinia pestis PY-53
76	clique	637000353	Yersinia pestis	Yersinia pestis Nepal516
76	clique	2534681724	Yersinia pestis	Yersinia pestis PY-64
76	clique	2534681864	Yersinia pestis	Yersinia pestis PY-19
76	clique	2548876672	Yersinia pestis	Yersinia pestis biovar Orientalis AS200901539
76	clique	645058767	Yersinia pestis	Yersinia pestis Pestoides A
76	clique	642555171	Yersinia pseudotuberculosis	Yersinia pseudotuberculosis PB1/+

76	clique	2529292777	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-91
76	clique	2547132204	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> G1670
76	clique	2531839140	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-98
76	clique	2529292781	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-95
76	clique	2534681857	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-45
76	clique	2529292765	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-10
76	clique	2551306641	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> B-6866
76	clique	2529292865	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-48
76	clique	2548876678	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> biovar <i>Orientalis</i> AS200901509
76	clique	641736244	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> bv <i>Antiqua</i> E1979001
76	clique	2547132203	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> G3768
76	clique	2534681722	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-61
76	clique	2534681785	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-03
76	clique	637000351	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> CO-92
76	clique	637000350	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> <i>Antiqua</i>
76	clique	647000349	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> KIM D27
76	clique	641736242	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> bv <i>Antiqua</i> B42003004
76	clique	2548876677	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> biovar <i>Orientalis</i> BA200902009
76	clique	2529292858	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-59
76	clique	650377987	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> <i>Medievalis</i> Harbin 35
76	clique	2529292774	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-13
76	clique	2534681720	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-65
76	clique	645058768	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> bv <i>Orientalis</i> India 195
76	clique	2534681856	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-42
76	clique	2534681717	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-88
76	clique	641736211	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> FV-1
76	clique	2551306634	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> B-6862
76	clique	640427152	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> <i>Pestoides</i> F
76	clique	2529292772	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-07
76	clique	2519899751	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> INS
76	clique	2548876675	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> biovar <i>Orientalis</i> BA200901990
76	clique	2534681600	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-102
76	clique	2540341009	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-01
76	clique	641736248	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> bv <i>Antiqua</i> UG05-0454
76	clique	2529292860	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-56
76	clique	2529292838	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-72
76	clique	637000355	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> IP 32953
76	clique	640753060	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> IP 31758
76	clique	646862351	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> D182038
76	clique	641736228	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> bv <i>Orientalis</i> F1991016
76	clique	2529292866	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-47
76	clique	2534681719	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-66
76	clique	2548876673	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> biovar <i>Orientalis</i> BA200901799
76	clique	2529292862	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-54
76	clique	637000354	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> bv <i>Microtus</i> 91001
76	clique	2534681725	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-63
76	clique	2534681861	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-36
76	clique	2531839717	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-103
76	clique	2551306094	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> 2501
76	clique	2529292778	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-92
76	clique	2551306638	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> B-6796
76	clique	2529292768	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-11
76	clique	2551306642	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> B-6863
76	clique	2529292784	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-94
76	clique	2548876679	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> biovar <i>Orientalis</i> AS200901434
76	clique	637000352	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> KIM 10
76	clique	640963031	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> CA88-4125
76	clique	2534681603	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-113
76	clique	641522661	<i>Yersinia pseudotuberculosis</i>	<i>Yersinia pseudotuberculosis</i> YPIII
76	clique	2529292864	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-52
76	clique	2534681863	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-16
76	clique	2548876671	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> biovar <i>Orientalis</i> AS200901156
76	clique	2534681723	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-60
76	clique	2529292776	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-99
76	clique	2529292782	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-96
76	clique	2534681858	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-29
76	clique	2529292766	<i>Yersinia pestis</i>	<i>Yersinia pestis</i> PY-09
77	clique	2531839604	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> pv. <i>punicae</i> LMG 859
77	clique	637000342	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> pv. <i>citri</i> 306
77	clique	2554235008	<i>Xanthomonas citri</i>	<i>Xanthomonas citri</i> pv. <i>malvacearum</i> X20
77	clique	2554235395	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> Xac29-1
77	clique	2519103160	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> pv. <i>malvacearum</i> GSPB2388
77	clique	647000348	<i>Xanthomonas fuscans</i>	<i>Xanthomonas fuscans</i> aurantifolii ICPB 11122
77	clique	2519103159	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> pv. <i>malvacearum</i> GSPB1386
77	clique	2554235375	<i>Xanthomonas fuscans</i>	<i>Xanthomonas fuscans</i> 4834-R
77	clique	647000347	<i>Xanthomonas fuscans</i>	<i>Xanthomonas fuscans</i> aurantifolii ICPB 10535
77	clique	2554235009	<i>Xanthomonas citri</i>	<i>Xanthomonas citri</i> pv. <i>malvacearum</i> X18
77	clique	2548877069	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> pv. <i>glycines</i> 12-2
77	clique	2540341117	<i>Xanthomonas citri</i>	<i>Xanthomonas citri</i> citri Aw
78	clique	2529292775	<i>Neisseria meningitidis</i>	<i>Neisseria meningitidis</i> N1568
78	clique	2531839068	<i>Neisseria meningitidis</i>	<i>Neisseria meningitidis</i> NM220
78	clique	2547132244	<i>Neisseria meningitidis</i>	<i>Neisseria meningitidis</i> K1207

78	clique	2548876709	Neisseria meningitidis	Neisseria meningitidis Nm8663
78	clique	2548876710	Neisseria meningitidis	Neisseria meningitidis Nm1140
78	clique	2541047215	Neisseria meningitidis	Neisseria meningitidis 73696
78	clique	2541047186	Neisseria meningitidis	Neisseria meningitidis 69100
78	clique	2531839501	Neisseria meningitidis	Neisseria meningitidis 2006087
78	clique	2537562201	Neisseria meningitidis	Neisseria meningitidis 9506
78	clique	2541047209	Neisseria meningitidis	Neisseria meningitidis NM95
78	clique	2541047235	Neisseria meningitidis	Neisseria meningitidis 2005172
78	clique	2521172582	Neisseria meningitidis	Neisseria meningitidis 97014
78	clique	2541047250	Neisseria meningitidis	Neisseria meningitidis NM165
78	clique	2541047199	Neisseria meningitidis	Neisseria meningitidis NM607
78	clique	2537561504	Neisseria meningitidis	Neisseria meningitidis 80179
78	clique	2541047216	Neisseria meningitidis	Neisseria meningitidis NM477
78	clique	2537561895	Neisseria meningitidis	Neisseria meningitidis M6190
78	clique	651053053	Neisseria meningitidis	Neisseria meningitidis NZ-05/33
78	clique	2548877039	Neisseria meningitidis	Neisseria meningitidis NMB
78	clique	2548876713	Neisseria meningitidis	Neisseria meningitidis DE9686
78	clique	2541047238	Neisseria meningitidis	Neisseria meningitidis NM90
78	clique	2534681690	Neisseria meningitidis	Neisseria meningitidis 2001212
78	clique	2541047452	Neisseria meningitidis	Neisseria meningitidis NM2866
78	clique	2537561893	Neisseria meningitidis	Neisseria meningitidis M0579
78	clique	2541047184	Neisseria meningitidis	Neisseria meningitidis 70082
78	clique	2531839503	Neisseria meningitidis	Neisseria meningitidis NM418
78	clique	2541047218	Neisseria meningitidis	Neisseria meningitidis 2002020
78	clique	2531839671	Neisseria meningitidis	Neisseria meningitidis 69166
78	clique	2547132243	Neisseria meningitidis	Neisseria meningitidis S0108
78	clique	2541047193	Neisseria meningitidis	Neisseria meningitidis 2004085
78	clique	2521172600	Neisseria meningitidis	Neisseria meningitidis 88050
78	clique	2541047246	Neisseria meningitidis	Neisseria meningitidis NM3164
78	clique	2548876707	Neisseria meningitidis	Neisseria meningitidis Nm6938
78	clique	2537561910	Neisseria meningitidis	Neisseria meningitidis 98080
78	clique	2541047226	Neisseria meningitidis	Neisseria meningitidis 2004264
78	clique	2537562105	Neisseria meningitidis	Neisseria meningitidis NM576
78	clique	2541047233	Neisseria meningitidis	Neisseria meningitidis NM134
78	clique	2537562198	Neisseria meningitidis	Neisseria meningitidis NM126
78	clique	2541047242	Neisseria meningitidis	Neisseria meningitidis NM3222
78	clique	2537562202	Neisseria meningitidis	Neisseria meningitidis 96023
78	clique	2541047454	Neisseria meningitidis	Neisseria meningitidis NM3141
78	clique	2541047176	Neisseria meningitidis	Neisseria meningitidis 69176
78	clique	2541047236	Neisseria meningitidis	Neisseria meningitidis 2008223
78	clique	2523533512	Neisseria meningitidis	Neisseria meningitidis alpha704
78	clique	2541047205	Neisseria meningitidis	Neisseria meningitidis NM35
78	clique	2526164614	Neisseria meningitidis	Neisseria meningitidis NM3081
78	clique	2541047231	Neisseria meningitidis	Neisseria meningitidis 2002004
78	clique	2541047177	Neisseria meningitidis	Neisseria meningitidis 69155
78	clique	2548876706	Neisseria meningitidis	Neisseria meningitidis Nm2732
78	clique	2537561908	Neisseria meningitidis	Neisseria meningitidis NM422
78	clique	2541047191	Neisseria meningitidis	Neisseria meningitidis 96024
78	clique	2541047196	Neisseria meningitidis	Neisseria meningitidis 2003022
78	clique	2537562111	Neisseria meningitidis	Neisseria meningitidis NM2781
78	clique	2541047182	Neisseria meningitidis	Neisseria meningitidis 75689
78	clique	2541047210	Neisseria meningitidis	Neisseria meningitidis NM313
78	clique	2541047200	Neisseria meningitidis	Neisseria meningitidis NM606
78	clique	2521172597	Neisseria meningitidis	Neisseria meningitidis 69096
78	clique	2541047462	Neisseria meningitidis	Neisseria meningitidis NM0552
78	clique	2541047194	Neisseria meningitidis	Neisseria meningitidis 98005
78	clique	2541047224	Neisseria meningitidis	Neisseria meningitidis 2004032
78	clique	2541047244	Neisseria meningitidis	Neisseria meningitidis NM3144
78	clique	639633045	Neisseria meningitidis	Neisseria meningitidis FAM18
78	clique	2541047178	Neisseria meningitidis	Neisseria meningitidis 70021
78	clique	2537562108	Neisseria meningitidis	Neisseria meningitidis NM2657
78	clique	2548876704	Neisseria meningitidis	Neisseria meningitidis Nm8187
78	clique	2521172584	Neisseria meningitidis	Neisseria meningitidis NM762
78	clique	2534681688	Neisseria meningitidis	Neisseria meningitidis 97020
78	clique	2531839398	Neisseria meningitidis	Neisseria meningitidis CU385
78	clique	2541047207	Neisseria meningitidis	Neisseria meningitidis NM82
78	clique	2541047464	Neisseria meningitidis	Neisseria meningitidis NM151
78	clique	641228498	Neisseria meningitidis	Neisseria meningitidis 053442
78	clique	2541047222	Neisseria meningitidis	Neisseria meningitidis 2000081
78	clique	2537562117	Neisseria meningitidis	Neisseria meningitidis NM233
78	clique	2541047189	Neisseria meningitidis	Neisseria meningitidis 65012
78	clique	2521172595	Neisseria meningitidis	Neisseria meningitidis 61103
78	clique	2541047213	Neisseria meningitidis	Neisseria meningitidis 81858
78	clique	2541047180	Neisseria meningitidis	Neisseria meningitidis 96060
78	clique	2537561897	Neisseria meningitidis	Neisseria meningitidis M01-240013
78	clique	2541047240	Neisseria meningitidis	Neisseria meningitidis NM271
78	clique	2537561909	Neisseria meningitidis	Neisseria meningitidis 87255
78	clique	650377962	Neisseria meningitidis	Neisseria meningitidis alpha710
78	clique	2551306426	Neisseria meningitidis	Neisseria meningitidis Nm11003
78	clique	2541047202	Neisseria meningitidis	Neisseria meningitidis NM133
78	clique	2548876711	Neisseria meningitidis	Neisseria meningitidis DE9622
78	clique	2521172598	Neisseria meningitidis	Neisseria meningitidis NM3642

78	clique	2534681692	Neisseria meningitidis	Neisseria meningitidis 2007056
78	clique	2537561912	Neisseria meningitidis	Neisseria meningitidis 70012
78	clique	2541047457	Neisseria meningitidis	Neisseria meningitidis NM518
78	clique	2534682279	Neisseria meningitidis	Neisseria meningitidis H44/76
78	clique	2541047248	Neisseria meningitidis	Neisseria meningitidis NM80
78	clique	651053052	Neisseria meningitidis	Neisseria meningitidis M04-240196
78	clique	2537561894	Neisseria meningitidis	Neisseria meningitidis ES14902
78	clique	2541047228	Neisseria meningitidis	Neisseria meningitidis 2005079
78	clique	2531839670	Neisseria meningitidis	Neisseria meningitidis 93003
78	clique	2537562203	Neisseria meningitidis	Neisseria meningitidis 63049
78	clique	2541047239	Neisseria meningitidis	Neisseria meningitidis NM115
78	clique	2541047219	Neisseria meningitidis	Neisseria meningitidis NM3147
78	clique	2537562109	Neisseria meningitidis	Neisseria meningitidis NM255
78	clique	637000190	Neisseria meningitidis	Neisseria meningitidis Z2491
78	clique	2541047247	Neisseria meningitidis	Neisseria meningitidis NM27
78	clique	2531839669	Neisseria meningitidis	Neisseria meningitidis 92045
78	clique	2531839502	Neisseria meningitidis	Neisseria meningitidis 63041
78	clique	644736394	Neisseria meningitidis	Neisseria meningitidis ST-53 a-14
78	clique	2541047187	Neisseria meningitidis	Neisseria meningitidis 63023
78	clique	2541047220	Neisseria meningitidis	Neisseria meningitidis 2001072
78	clique	2541047459	Neisseria meningitidis	Neisseria meningitidis 96037
78	clique	2537561892	Neisseria meningitidis	Neisseria meningitidis OX99_30304
78	clique	2541047234	Neisseria meningitidis	Neisseria meningitidis 2007461
78	clique	2521172583	Neisseria meningitidis	Neisseria meningitidis M7089
78	clique	2541047227	Neisseria meningitidis	Neisseria meningitidis 2001213
78	clique	2521172581	Neisseria meningitidis	Neisseria meningitidis M13255
78	clique	2521172593	Neisseria meningitidis	Neisseria meningitidis 2004090
78	clique	2541047208	Neisseria meningitidis	Neisseria meningitidis NM94
78	clique	648276705	Neisseria meningitidis	Neisseria meningitidis ATCC 13091
78	clique	2541047188	Neisseria meningitidis	Neisseria meningitidis 97027
78	clique	651053050	Neisseria meningitidis	Neisseria meningitidis M01-240149
78	clique	646862337	Neisseria meningitidis	Neisseria meningitidis 8013
78	clique	2541047198	Neisseria meningitidis	Neisseria meningitidis NM604
78	clique	2541047243	Neisseria meningitidis	Neisseria meningitidis NM3131
78	clique	651053054	Neisseria meningitidis	Neisseria meningitidis WUE 2594
78	clique	651053049	Neisseria meningitidis	Neisseria meningitidis H44/76
78	clique	2541047455	Neisseria meningitidis	Neisseria meningitidis NM3173
78	clique	2541047460	Neisseria meningitidis	Neisseria meningitidis NM003
78	clique	2534681689	Neisseria meningitidis	Neisseria meningitidis 77221
78	clique	2541047237	Neisseria meningitidis	Neisseria meningitidis 2003051
78	clique	637000189	Neisseria meningitidis	Neisseria meningitidis MC58
78	clique	2541047185	Neisseria meningitidis	Neisseria meningitidis 61106
78	clique	2531839504	Neisseria meningitidis	Neisseria meningitidis 2002038
78	clique	2537562200	Neisseria meningitidis	Neisseria meningitidis 4119
78	clique	2537562110	Neisseria meningitidis	Neisseria meningitidis NM2795
78	clique	2541047453	Neisseria meningitidis	Neisseria meningitidis NM3139
78	clique	2521172601	Neisseria meningitidis	Neisseria meningitidis 65014
78	clique	2541047192	Neisseria meningitidis	Neisseria meningitidis 97008
78	clique	2531839674	Neisseria meningitidis	Neisseria meningitidis 98008
78	clique	2541047232	Neisseria meningitidis	Neisseria meningitidis 98002
78	clique	2541047197	Neisseria meningitidis	Neisseria meningitidis 2002007
78	clique	2537562106	Neisseria meningitidis	Neisseria meningitidis NM183
78	clique	2541047463	Neisseria meningitidis	Neisseria meningitidis NM1476
78	clique	2541047201	Neisseria meningitidis	Neisseria meningitidis NM23
78	clique	2541047195	Neisseria meningitidis	Neisseria meningitidis 2000063
78	clique	2541047456	Neisseria meningitidis	Neisseria meningitidis NM3230
78	clique	2541047225	Neisseria meningitidis	Neisseria meningitidis 2000175
78	clique	2531839673	Neisseria meningitidis	Neisseria meningitidis 93004
78	clique	2537562199	Neisseria meningitidis	Neisseria meningitidis 12888
78	clique	2521172578	Neisseria meningitidis	Neisseria meningitidis NM3652
78	clique	2541047245	Neisseria meningitidis	Neisseria meningitidis NM3158
78	clique	2537562107	Neisseria meningitidis	Neisseria meningitidis NM140
78	clique	2541047204	Neisseria meningitidis	Neisseria meningitidis NM36
78	clique	2537561911	Neisseria meningitidis	Neisseria meningitidis 68094
78	clique	2548876705	Neisseria meningitidis	Neisseria meningitidis Nm3127
78	clique	651053048	Neisseria meningitidis	Neisseria meningitidis G2136
78	clique	2548876708	Neisseria meningitidis	Neisseria meningitidis Nm6756
78	clique	2541047190	Neisseria meningitidis	Neisseria meningitidis 64182
78	clique	2541047241	Neisseria meningitidis	Neisseria meningitidis NM3042
78	clique	2521172596	Neisseria meningitidis	Neisseria meningitidis 70030
78	clique	2541047212	Neisseria meningitidis	Neisseria meningitidis NM1495
78	clique	2541047461	Neisseria meningitidis	Neisseria meningitidis NM045
78	clique	2541047211	Neisseria meningitidis	Neisseria meningitidis NM1482
78	clique	2537562112	Neisseria meningitidis	Neisseria meningitidis NM3001
78	clique	2541047183	Neisseria meningitidis	Neisseria meningitidis 75643
78	clique	2537561896	Neisseria meningitidis	Neisseria meningitidis M13399
78	clique	2531839505	Neisseria meningitidis	Neisseria meningitidis M7124
78	clique	651053051	Neisseria meningitidis	Neisseria meningitidis M01-240355
78	clique	2541047458	Neisseria meningitidis	Neisseria meningitidis 2002030
78	clique	2541047221	Neisseria meningitidis	Neisseria meningitidis 2001073
78	clique	2521172592	Neisseria meningitidis	Neisseria meningitidis 9757
78	clique	2548876712	Neisseria meningitidis	Neisseria meningitidis DE9938

78	clique	2521172599	Neisseria meningitidis	Neisseria meningitidis 97021
78	clique	2541047179	Neisseria meningitidis	Neisseria meningitidis 2000080
78	clique	2547132294	Neisseria meningitidis	Neisseria meningitidis NS44
78	clique	2541047230	Neisseria meningitidis	Neisseria meningitidis 2005040
78	clique	2541047217	Neisseria meningitidis	Neisseria meningitidis M13265
78	clique	2521172585	Neisseria meningitidis	Neisseria meningitidis NM586
78	clique	2531839399	Neisseria meningitidis	Neisseria meningitidis 961-5945
78	clique	2541047206	Neisseria meningitidis	Neisseria meningitidis NM43
78	clique	2534681691	Neisseria meningitidis	Neisseria meningitidis 63006
78	clique	2541047214	Neisseria meningitidis	Neisseria meningitidis 73704
78	clique	2521172594	Neisseria meningitidis	Neisseria meningitidis NM174
78	clique	2541047203	Neisseria meningitidis	Neisseria meningitidis NM32
78	clique	2541047223	Neisseria meningitidis	Neisseria meningitidis 2001001
78	clique	2541047229	Neisseria meningitidis	Neisseria meningitidis 2001068
78	clique	2541047181	Neisseria meningitidis	Neisseria meningitidis 94018
78	clique	2541047251	Neisseria meningitidis	Neisseria meningitidis NM3223
78	clique	2541047249	Neisseria meningitidis	Neisseria meningitidis NM51
79	clique	2531839660	Leptospira meyeri	Leptospira meyeri sv. Hardjo Went 5
79	clique	2541047039	Leptospira meyeri	Leptospira meyeri sv. Semarang Veldrot Semarang 173
80	clique-group	643886101	Bacillus cereus	Bacillus cereus F65185
80	clique-group	2541047118	Bacillus cereus	Bacillus cereus HuB13-1
80	clique-group	643886179	Bacillus cereus	Bacillus cereus AH676
80	clique-group	2540341090	Bacillus thuringiensis	Bacillus thuringiensis sv. kurstaki HD73
80	clique-group	643886092	Bacillus thuringiensis	Bacillus thuringiensis IBL4222
80	clique-group	2518645577	Bacillus thuringiensis	Bacillus thuringiensis HD-789
80	clique-group	651053003	Bacillus thuringiensis	Bacillus thuringiensis sv chinensis CT-43
80	clique-group	2519103123	Bacillus cereus	Bacillus cereus BAG4X12-1
80	clique-group	637000017	Bacillus cereus	Bacillus cereus ATCC 14579
80	clique-group	2537561850	Bacillus cereus	Bacillus cereus VD140
80	clique-group	2529292748	Bacillus cereus	Bacillus cereus BAG1X2-1
80	clique-group	2537562000	Bacillus cereus	Bacillus cereus HD73
80	clique-group	2534681696	Bacillus cereus	Bacillus cereus TIAC219
80	clique-group	2522572172	Bacillus thuringiensis	Bacillus thuringiensis Bt407
80	clique-group	2519103165	Bacillus cereus	Bacillus cereus MSX-A1
80	clique-group	643348512	Bacillus cereus	Bacillus cereus B4264
80	clique-group	2519103125	Bacillus cereus	Bacillus cereus BAG3X2-2
80	clique-group	643886090	Bacillus thuringiensis	Bacillus thuringiensis sv pakistani t13001
80	clique-group	2534681777	Bacillus cereus	Bacillus cereus BAG5X12-1
80	clique-group	2519899826	Bacillus cereus	Bacillus cereus VD156
80	clique-group	2554235338	Bacillus thuringiensis	Bacillus thuringiensis YBT-1518
80	clique-group	643886035	Bacillus cereus	Bacillus cereus ATCC 10876
80	clique-group	643886089	Bacillus thuringiensis	Bacillus thuringiensis sv sotto T04001
80	clique-group	643886096	Bacillus thuringiensis	Bacillus thuringiensis sv huazhongensis BGSC 4BD1
80	clique-group	2519103127	Bacillus cereus	Bacillus cereus BAG30-2
80	clique-group	2537562213	Bacillus cereus	Bacillus cereus BAG1X1-1
80	clique-group	2519899781	Bacillus cereus	Bacillus cereus HuB1-1
80	clique-group	2540341125	Bacillus thuringiensis	Bacillus thuringiensis sv. thuringiensis IS5056
80	clique-group	643886165	Bacillus cereus	Bacillus cereus BDRD-ST24
80	clique-group	2531839361	Bacillus cereus	Bacillus cereus VD184
80	clique-group	2529292751	Bacillus cereus	Bacillus cereus BAG1X2-2
80	clique-group	643886094	Bacillus thuringiensis	Bacillus thuringiensis IBL200
80	clique-group	643886123	Bacillus cereus	Bacillus cereus Rock1-15
80	clique-group	2537561853	Bacillus cereus	Bacillus cereus VD166
80	clique-group	643886162	Bacillus cereus	Bacillus cereus BDRD-Cer4
80	clique-group	2534681955	Bacillus cereus	Bacillus cereus ISP2954
80	clique-group	2519899844	Bacillus cereus	Bacillus cereus VD022
80	clique-group	2545824726	Bacillus thuringiensis	Bacillus thuringiensis T01-328
80	clique-group	2537561729	Bacillus cereus	Bacillus cereus K-5975c
80	clique-group	643886171	Bacillus thuringiensis	Bacillus thuringiensis Bt407
80	clique-group	643886156	Bacillus cereus	Bacillus cereus Rock4-2
80	clique-group	2534681695	Bacillus cereus	Bacillus cereus Schrouff
80	clique-group	2519103153	Bacillus cereus	Bacillus cereus VD014
80	clique-group	643886085	Bacillus thuringiensis	Bacillus thuringiensis sv berliner ATCC 10792
80	clique-group	2513237325	Bacillus sp.	Bacillus sp. 7_6_55CFAA CT2
80	clique-group	2541047115	Bacillus cereus	Bacillus cereus BAG10-3
80	clique-group	2531839363	Bacillus cereus	Bacillus cereus VD200
80	clique-group	643348513	Bacillus cereus	Bacillus cereus G9842
80	clique-group	643886087	Bacillus thuringiensis	Bacillus thuringiensis sv kurstaki T03a001
80	clique-group	2537562008	Bacillus cereus	Bacillus cereus BMG1.7
80	clique-group	641736134	Bacillus cereus	Bacillus cereus AH1134
80	clique-group	643886166	Bacillus cereus	Bacillus cereus mm1550
80	clique-group	643886037	Bacillus cereus	Bacillus cereus 172560W
80	clique-group	2537561852	Bacillus cereus	Bacillus cereus VD133
80	clique-group	2503538039	Bacillus cereus	Bacillus cereus RCH_BC2 (Abyss contigs Sep '10)
80	clique-group	2537561846	Bacillus cereus	Bacillus cereus VD154
80	clique-group	643886091	Bacillus thuringiensis	Bacillus thuringiensis sv thuringiensis T01001
80	clique-group	2503538037	Bacillus cereus	Bacillus cereus RCH_BC1 (Abyss contigs Sep '10)
80	clique-group	2529292752	Bacillus cereus	Bacillus cereus BAG20-1
80	clique-group	2537561854	Bacillus cereus	Bacillus cereus VD169
80	clique-group	638341015	Bacillus thuringiensis	Bacillus thuringiensis sv israelensis ATCC 35646
80	clique-group	2519103126	Bacillus cereus	Bacillus cereus BAG40-1
80	clique-group	2531839574	Bacillus cereus	Bacillus cereus HuB4-4

80	clique-group	646564510	Bacillus thuringiensis	Bacillus thuringiensis BMB171
80	clique-group	2537562214	Bacillus cereus	Bacillus cereus BAG1X1-2
80	clique-group	2551306485	Bacillus thuringiensis	Bacillus thuringiensis DAR 81934
80	clique-group	2521172680	Bacillus thuringiensis	Bacillus thuringiensis HD-771
80	clique-group	2529292750	Bacillus cereus	Bacillus cereus BAG1X2-3
80	clique-group	2531839360	Bacillus cereus	Bacillus cereus VD196
80	clique-group	2519103152	Bacillus cereus	Bacillus cereus VD045
81	clique-group	643692013	Burkholderia glumae	Burkholderia glumae BGR1
81	clique-group	2519103048	Burkholderia glumae	Burkholderia glumae AU6208
81	clique-group	2551306456	Burkholderia glumae	Burkholderia glumae 3252-8
81	clique-group	2519103049	Burkholderia glumae	Burkholderia glumae LMG 2196
82	clique	2554235400	Alteromonas macleodii	Alteromonas macleodii 'Ionian Sea U8'
82	clique	2545824627	Alteromonas macleodii	Alteromonas macleodii 'Aegean Sea MED64'
82	clique	2554235397	Alteromonas macleodii	Alteromonas macleodii 'Ionian Sea U4'
82	clique	2554235401	Alteromonas macleodii	Alteromonas macleodii 'Ionian Sea UM4b'
82	clique	2554235399	Alteromonas macleodii	Alteromonas macleodii 'Ionian Sea U7'
82	clique	642555105	Alteromonas macleodii	Alteromonas macleodii Deep ecotype, DSM 17117
82	clique	2521172685	Alteromonas macleodii	Alteromonas macleodii AltDE1
82	clique	2554235396	Alteromonas macleodii	Alteromonas macleodii 'English Channel 615'
82	clique	2554235398	Alteromonas macleodii	Alteromonas macleodii 'Ionian Sea UM7'
83	clique	2505679044	Bacillus subtilis	Bacillus subtilis J25
83	clique	2511231173	Bacillus subtilis	Bacillus subtilis subtilis RO-NN-1
83	clique	2540341072	Bacillus subtilis	Bacillus subtilis subtilis 6051-HGW
83	clique	2551306393	Bacillus subtilis	Bacillus subtilis S1-4
83	clique	2505679042	Bacillus subtilis	Bacillus subtilis J23
83	clique	2518645535	Bacillus subtilis	Bacillus subtilis QB928
83	clique	646311909	Bacillus subtilis	Bacillus subtilis subtilis 168
83	clique	2521172700	Bacillus subtilis	Bacillus subtilis subtilis BSP1
83	clique	650377907	Bacillus subtilis	Bacillus subtilis natto BEST195
83	clique	2505679047	Bacillus subtilis	Bacillus subtilis J27
83	clique	643886129	Bacillus subtilis	Bacillus subtilis subtilis SMY
83	clique	2547132201	Bacillus subtilis	Bacillus subtilis subtilis AUS198
83	clique	649633011	Bacillus subtilis	Bacillus subtilis BSn5
83	clique	643886131	Bacillus subtilis	Bacillus subtilis subtilis JH642
83	clique	2505679043	Bacillus subtilis	Bacillus subtilis J24
83	clique	2554235394	Bacillus subtilis	Bacillus subtilis subtilis BAB-1
83	clique	2519899798	Bacillus subtilis	Bacillus subtilis subtilis SC-8
83	clique	2503754022	Bacillus subtilis	Bacillus subtilis ES73 (11072010 Assembly)
83	clique	2529293106	Bacillus subtilis	Bacillus subtilis MB732
83	clique	643886132	Bacillus subtilis	Bacillus subtilis subtilis 168
83	clique	2505679041	Bacillus subtilis	Bacillus subtilis J22
83	clique	2506520051	Bacillus subtilis	Bacillus subtilis 27E1
83	clique	2510917016	Bacillus subtilis	Bacillus subtilis 6051HGW
83	clique	2505679046	Bacillus subtilis	Bacillus subtilis J26
83	clique	2554235036	Bacillus subtilis	Bacillus subtilis PS216
83	clique	2506520052	Bacillus subtilis	Bacillus subtilis 27E2
83	clique	2551306103	Bacillus subtilis	Bacillus subtilis Hal1
83	clique	2540341094	Bacillus subtilis	Bacillus subtilis XF-1
83	clique	643886130	Bacillus subtilis	Bacillus subtilis NCIB 3610
84	clique-group	2541047065	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC29
84	clique-group	2529292763	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH20
84	clique-group	2548876504	Klebsiella pneumoniae	Klebsiella pneumoniae JH1
84	clique-group	2541047978	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC59
84	clique-group	2554235445	Klebsiella sp.	Klebsiella pneumoniae JM45
84	clique-group	2541047985	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC77
84	clique-group	2541047054	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC48
84	clique-group	2541047060	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC 52
84	clique-group	2537562101	Klebsiella pneumoniae	Klebsiella pneumoniae JHCK1
84	clique-group	2541047052	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC23
84	clique-group	2545824536	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC18
84	clique-group	2529292741	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae JC2877
84	clique-group	2541047991	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC06
84	clique-group	2541047987	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC67
84	clique-group	2545824781	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae UKKV901664
84	clique-group	2529292761	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH18
84	clique-group	651324045	Klebsiella sp.	Klebsiella sp. MS 92-3
84	clique-group	2529293105	Klebsiella pneumoniae	Klebsiella pneumoniae hvKP1
84	clique-group	2551306329	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KpQ3
84	clique-group	2541047980	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC17
84	clique-group	2541047059	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC24
84	clique-group	2548876915	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae LCT-KP214
84	clique-group	2541047066	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC32
84	clique-group	2529293113	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH22
84	clique-group	2554235220	Klebsiella sp.	Klebsiella pneumoniae LCT-KP182
84	clique-group	2519103054	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH8
84	clique-group	2541047056	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC45
84	clique-group	2513237265	Klebsiella sp.	Klebsiella sp. 4_1_44FAA
84	clique-group	2541047982	Klebsiella pneumoniae	Klebsiella pneumoniae DMCC1097
84	clique-group	2541047989	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC179
84	clique-group	640753032	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae MGH78578
84	clique-group	2541047068	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC252
84	clique-group	2519103157	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH2

84	clique-group	2541047075	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC297
84	clique-group	2541047071	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC278
84	clique-group	2519103056	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH6
84	clique-group	2541047058	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC26
84	clique-group	2554235128	Klebsiella pneumoniae	Klebsiella pneumoniae ATCC 25955
84	clique-group	2554235318	Klebsiella pneumoniae	Klebsiella pneumoniae rhinoscleromatis SB3432
84	clique-group	2545824686	Klebsiella pneumoniae	Klebsiella pneumoniae 140_1040
84	clique-group	2541047984	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC96
84	clique-group	2537561874	Klebsiella pneumoniae	Klebsiella pneumoniae WGLW5
84	clique-group	2537562102	Klebsiella pneumoniae	Klebsiella pneumoniae VA360
84	clique-group	2534681629	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae ST512-K30B0
84	clique-group	2541047976	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC61
84	clique-group	2541047077	Klebsiella pneumoniae	Klebsiella pneumoniae KP-7
84	clique-group	2541047990	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC02
84	clique-group	2541047073	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC270
84	clique-group	2519103155	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH4
84	clique-group	2541047050	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC40
84	clique-group	2541047078	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC280
84	clique-group	2541047062	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC81
84	clique-group	2537561876	Klebsiella pneumoniae	Klebsiella pneumoniae WGLW2
84	clique-group	2541047061	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC27
84	clique-group	2541047057	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC57
84	clique-group	2554235130	Klebsiella pneumoniae	Klebsiella pneumoniae PR04
84	clique-group	646564538	Klebsiella pneumoniae	Klebsiella pneumoniae NTUH-K2044
84	clique-group	2540341071	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae 1084
84	clique-group	2529292764	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH16
84	clique-group	2519103158	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH1
84	clique-group	2541047064	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC09
84	clique-group	2554235223	Klebsiella sp.	Klebsiella pneumoniae LCT-KP289
84	clique-group	2548877029	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae LZ
84	clique-group	2529293104	Klebsiella pneumoniae	Klebsiella pneumoniae ATCC BAA-2146
84	clique-group	2545824775	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae B5055
84	clique-group	2519103053	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH10
84	clique-group	2541047977	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC33
84	clique-group	2545824681	Klebsiella pneumoniae	Klebsiella pneumoniae 120_1020
84	clique-group	2548876535	Klebsiella pneumoniae	Klebsiella pneumoniae 1191100241
84	clique-group	651053036	Klebsiella pneumoniae	Klebsiella pneumoniae KCTC 2242
84	clique-group	2541047988	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC31
84	clique-group	2519103076	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH11
84	clique-group	2519103055	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH7
84	clique-group	2529292740	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH23
84	clique-group	2547132419	Klebsiella pneumoniae	Klebsiella pneumoniae HSL4
84	clique-group	2541047067	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC04
84	clique-group	2551306645	Klebsiella pneumoniae	Klebsiella pneumoniae ATCC BAA-2146
84	clique-group	2541047979	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC07
84	clique-group	2545824782	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae MP14
84	clique-group	2541047972	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC47
84	clique-group	2554235385	Klebsiella pneumoniae	Klebsiella pneumoniae CG43
84	clique-group	2529292762	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH19
84	clique-group	2534681895	Klebsiella pneumoniae	Klebsiella pneumoniae ATCC BAA-1705
84	clique-group	2519103156	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH5
84	clique-group	2541047051	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC05
84	clique-group	2541047074	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC276
84	clique-group	2541047070	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC269
84	clique-group	2519103077	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH9
84	clique-group	2519103057	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH12
84	clique-group	2551306454	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae Ecl8
84	clique-group	2519103132	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH14
84	clique-group	647000262	Klebsiella pneumoniae	Klebsiella pneumoniae rhinoscleromatis ATCC 13884
84	clique-group	2545824685	Klebsiella pneumoniae	Klebsiella pneumoniae 160_1080
84	clique-group	2541047981	Klebsiella pneumoniae	Klebsiella pneumoniae DMC1316
84	clique-group	2529292760	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH17
84	clique-group	2541047973	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC28
84	clique-group	2541047076	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC309
84	clique-group	2551306530	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae ST258-490
84	clique-group	2554235129	Klebsiella pneumoniae	Klebsiella pneumoniae G5-2
84	clique-group	2541047072	Klebsiella pneumoniae	Klebsiella pneumoniae KP-11
84	clique-group	2529292868	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae KPNIH21
84	clique-group	2541047055	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC22
84	clique-group	2541047063	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC01
84	clique-group	2541047053	Klebsiella pneumoniae	Klebsiella pneumoniae DMC0526
84	clique-group	2531839623	Klebsiella pneumoniae	Klebsiella pneumoniae WGLW1
84	clique-group	2511231199	Klebsiella pneumoniae	Klebsiella pneumoniae pneumoniae HS11286
84	clique-group	2537561875	Klebsiella pneumoniae	Klebsiella pneumoniae WGLW3
84	clique-group	2545824683	Klebsiella pneumoniae	Klebsiella pneumoniae 280_1220
84	clique-group	2541047983	Klebsiella pneumoniae	Klebsiella pneumoniae DMC0799
84	clique-group	2541047986	Klebsiella pneumoniae	Klebsiella pneumoniae UHKPC69
84	clique-group	2541047069	Klebsiella pneumoniae	Klebsiella pneumoniae VAKPC254
85	clique-group	2547132404	Helicobacter pylori	Helicobacter pylori 8A3
85	clique-group	2513237203	Helicobacter pylori	Helicobacter pylori Shi417
85	clique-group	651053035	Helicobacter pylori	Helicobacter pylori F57
85	clique-group	2513237192	Helicobacter pylori	Helicobacter pylori Shi169

85	clique-group	2529293033	Helicobacter pylori	Helicobacter pylori CPY6271
85	clique-group	2551306198	Helicobacter pylori	Helicobacter pylori HLJHP253
85	clique-group	2551306197	Helicobacter pylori	Helicobacter pylori HLJHP271
85	clique-group	2521172715	Helicobacter pylori	Helicobacter pylori Aklavik117
85	clique-group	2534681923	Helicobacter pylori	Helicobacter pylori CPY1662
85	clique-group	2545824635	Helicobacter pylori	Helicobacter pylori UM066
85	clique-group	651053032	Helicobacter pylori	Helicobacter pylori F16
85	clique-group	642555131	Helicobacter pylori	Helicobacter pylori Shi470
85	clique-group	2554235411	Helicobacter pylori	Helicobacter pylori UM299
85	clique-group	2534681931	Helicobacter pylori	Helicobacter pylori CPY3281
85	clique-group	651053034	Helicobacter pylori	Helicobacter pylori F32
85	clique-group	2511231147	Helicobacter pylori	Helicobacter pylori Puno135
85	clique-group	2551306583	Helicobacter pylori	Helicobacter pylori UM007
85	clique-group	2529293031	Helicobacter pylori	Helicobacter pylori CPY6081
85	clique-group	2534681924	Helicobacter pylori	Helicobacter pylori CPY1313
85	clique-group	2529293027	Helicobacter pylori	Helicobacter pylori CPY6311
85	clique-group	2547132405	Helicobacter pylori	Helicobacter pylori BCS100H1
85	clique-group	651053033	Helicobacter pylori	Helicobacter pylori F30
85	clique-group	2534681932	Helicobacter pylori	Helicobacter pylori CPY1962
85	clique-group	646862329	Helicobacter pylori	Helicobacter pylori 52
85	clique-group	646862330	Helicobacter pylori	Helicobacter pylori 51
85	clique-group	2554235412	Helicobacter pylori	Helicobacter pylori UM298
85	clique-group	2511231168	Helicobacter pylori	Helicobacter pylori 35A
85	clique-group	642979330	Helicobacter pylori	Helicobacter pylori 98-10
85	clique-group	2551306138	Helicobacter pylori	Helicobacter pylori HLJHP193
85	clique-group	2529293032	Helicobacter pylori	Helicobacter pylori CPY6261
85	clique-group	2511231216	Helicobacter pylori	Helicobacter pylori Puno120
85	clique-group	2551306199	Helicobacter pylori	Helicobacter pylori HLJHP256
85	clique-group	2519103107	Helicobacter pylori	Helicobacter pylori XZ274
85	clique-group	2534681839	Helicobacter pylori	Helicobacter pylori CPY1124
85	clique-group	648231709	Helicobacter pylori	Helicobacter pylori Cuz20
85	clique-group	2554235225	Helicobacter sp.	Helicobacter pylori wls-5-3
85	clique-group	2551306584	Helicobacter pylori	Helicobacter pylori UM034
85	clique-group	2513237188	Helicobacter pylori	Helicobacter pylori Shi112
85	clique-group	2554235284	Helicobacter sp.	Helicobacter pylori wls-5-12
85	clique-group	648231710	Helicobacter pylori	Helicobacter pylori Sat464
85	clique-group	651053031	Helicobacter pylori	Helicobacter pylori 83
85	clique-group	2554235413	Helicobacter pylori	Helicobacter pylori UM032
85	clique-group	646862331	Helicobacter pylori	Helicobacter pylori v225
86	clique-group	638341052	Campylobacter jejuni	Campylobacter jejuni jejuni CF93-6
86	clique-group	2516143009	Campylobacter jejuni	Campylobacter jejuni jejuni 51494
86	clique-group	2516143062	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23223
86	clique-group	2516143051	Campylobacter jejuni	Campylobacter jejuni jejuni 87459
86	clique-group	641736195	Campylobacter jejuni	Campylobacter jejuni jejuni 81-176
86	clique-group	2516143034	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23218
86	clique-group	2516143015	Campylobacter jejuni	Campylobacter jejuni jejuni 1928
86	clique-group	2519899537	Campylobacter jejuni	Campylobacter jejuni jejuni PT14
86	clique-group	2547132044	Campylobacter jejuni	Campylobacter jejuni jejuni H22082
86	clique-group	2516143088	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23264
86	clique-group	2516143045	Campylobacter jejuni	Campylobacter jejuni jejuni 1997-10
86	clique-group	2516143099	Campylobacter jejuni	Campylobacter jejuni jejuni 1854
86	clique-group	2551306567	Campylobacter jejuni	Campylobacter jejuni jejuni ICDCJ07002
86	clique-group	2548876660	Campylobacter jejuni	Campylobacter jejuni jejuni xy259
86	clique-group	2516143056	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23216
86	clique-group	2548876662	Campylobacter jejuni	Campylobacter jejuni jejuni 04199
86	clique-group	2534682054	Campylobacter jejuni	Campylobacter jejuni jejuni 1997-7
86	clique-group	2516143086	Campylobacter jejuni	Campylobacter jejuni jejuni 87330
86	clique-group	2516143079	Campylobacter jejuni	Campylobacter jejuni jejuni 2008-872
86	clique-group	2516143043	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23269
86	clique-group	2531839447	Campylobacter jejuni	Campylobacter jejuni jejuni DVF1099
86	clique-group	2548876658	Campylobacter jejuni	Campylobacter jejuni jejuni RB922
86	clique-group	2516143103	Campylobacter jejuni	Campylobacter jejuni jejuni 1997-1
86	clique-group	2516143084	Campylobacter jejuni	Campylobacter jejuni jejuni 1893
86	clique-group	2516143066	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 9879
86	clique-group	2516143075	Campylobacter jejuni	Campylobacter jejuni jejuni 129-258
86	clique-group	2531839445	Campylobacter jejuni	Campylobacter jejuni jejuni 327
86	clique-group	2516143097	Campylobacter jejuni	Campylobacter jejuni jejuni 2008-988
86	clique-group	640753012	Campylobacter jejuni	Campylobacter jejuni doylei 269.97
86	clique-group	2548876661	Campylobacter jejuni	Campylobacter jejuni jejuni 04197
86	clique-group	642979372	Campylobacter jejuni	Campylobacter jejuni jejuni CG8421
86	clique-group	2554235442	Campylobacter jejuni	Campylobacter jejuni jejuni 00-2426
86	clique-group	650377920	Campylobacter jejuni	Campylobacter jejuni jejuni 53
86	clique-group	639633017	Campylobacter jejuni	Campylobacter jejuni jejuni 81-176
86	clique-group	2516143032	Campylobacter jejuni	Campylobacter jejuni jejuni 86605
86	clique-group	2516143073	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 9217
86	clique-group	2516143082	Campylobacter jejuni	Campylobacter jejuni jejuni 1798
86	clique-group	648231701	Campylobacter jejuni	Campylobacter jejuni jejuni M1
86	clique-group	637000055	Campylobacter jejuni	Campylobacter jejuni jejuni NCTC 11168
86	clique-group	647000223	Campylobacter jejuni	Campylobacter jejuni jejuni 1336
86	clique-group	2516143042	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23357
86	clique-group	2554235045	Campylobacter jejuni	Campylobacter jejuni HN-CJD07035
86	clique-group	638341051	Campylobacter jejuni	Campylobacter jejuni jejuni 84-25

86	clique-group	2516143089	Campylobacter jejuni	Campylobacter jejuni jejuni 51037
86	clique-group	2516143023	Campylobacter jejuni	Campylobacter jejuni jejuni 1997-14
86	clique-group	640963041	Campylobacter jejuni	Campylobacter jejuni jejuni CG8486
86	clique-group	2551306568	Campylobacter jejuni	Campylobacter jejuni jejuni ICDCJ07004
86	clique-group	2547132043	Campylobacter jejuni	Campylobacter jejuni jejuni P110B
86	clique-group	2548876657	Campylobacter jejuni	Campylobacter jejuni jejuni D2600
86	clique-group	2516143059	Campylobacter jejuni	Campylobacter jejuni jejuni 2008-831
86	clique-group	2548876844	Campylobacter jejuni	Campylobacter jejuni jejuni ATCC 33560
86	clique-group	2516143078	Campylobacter jejuni	Campylobacter jejuni jejuni 60004
86	clique-group	2516143003	Campylobacter jejuni	Campylobacter jejuni jejuni 2008-894
86	clique-group	2548876659	Campylobacter jejuni	Campylobacter jejuni jejuni 6399
86	clique-group	2516143041	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 9872
86	clique-group	638341053	Campylobacter jejuni	Campylobacter jejuni jejuni HB93-13
86	clique-group	2516143048	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23211
86	clique-group	2516143057	Campylobacter jejuni	Campylobacter jejuni jejuni 1997-11
86	clique-group	2551306569	Campylobacter jejuni	Campylobacter jejuni NCCP No. 15742
86	clique-group	2516143074	Campylobacter jejuni	Campylobacter jejuni jejuni 140-16
86	clique-group	2516143069	Campylobacter jejuni	Campylobacter jejuni jejuni 1213
86	clique-group	2516143090	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 9081
86	clique-group	640753013	Campylobacter jejuni	Campylobacter jejuni jejuni 81116
86	clique-group	2554235044	Campylobacter jejuni	Campylobacter jejuni BJ-CJD101
86	clique-group	2516143085	Campylobacter jejuni	Campylobacter jejuni jejuni 53161
86	clique-group	2516143096	Campylobacter jejuni	Campylobacter jejuni jejuni 110-21
86	clique-group	2516143046	Campylobacter jejuni	Campylobacter jejuni jejuni 1997-4
86	clique-group	2554235448	Campylobacter jejuni	Campylobacter jejuni jejuni 00-2544
86	clique-group	2554235435	Campylobacter jejuni	Campylobacter jejuni jejuni 00-2425
86	clique-group	637000054	Campylobacter jejuni	Campylobacter jejuni RM1221
86	clique-group	2548876845	Campylobacter jejuni	Campylobacter jejuni jejuni P854
86	clique-group	2516143077	Campylobacter jejuni	Campylobacter jejuni jejuni 1577
86	clique-group	649633027	Campylobacter jejuni	Campylobacter jejuni jejuni ICDCJ07001
86	clique-group	2516143007	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23210
86	clique-group	2516143064	Campylobacter jejuni	Campylobacter jejuni jejuni 55037
86	clique-group	2516143083	Campylobacter jejuni	Campylobacter jejuni jejuni ATCC 33560
86	clique-group	2516143050	Campylobacter jejuni	Campylobacter jejuni jejuni LMG 23263
86	clique-group	2516143053	Campylobacter jejuni	Campylobacter jejuni jejuni 2008-1025
86	clique-group	2548876656	Campylobacter jejuni	Campylobacter jejuni jejuni NW
86	clique-group	2529292984	Campylobacter jejuni	Campylobacter jejuni jejuni 2008-979
86	clique-group	646862310	Campylobacter jejuni	Campylobacter jejuni jejuni IA3902
86	clique-group	2554235444	Campylobacter jejuni	Campylobacter jejuni jejuni 00-2538
86	clique-group	638341049	Campylobacter jejuni	Campylobacter jejuni jejuni 260.94
86	clique-group	2540341152	Campylobacter jejuni	Campylobacter jejuni jejuni NCTC 11168-BN148
87	clique	2537561864	Haloferax sp.	Haloferax sp. ATCC BAA-646
87	clique	2537561868	Haloferax sp.	Haloferax sp. ATCC BAA-645
87	clique	2537561867	Haloferax sp.	Haloferax sp. ATCC BAA-644
87	clique	2529293123	Haloferax volcanii	Haloferax volcanii DS2
87	clique	2554235494	Haloferax lucentense	Haloferax lucentense DSM 14919
87	clique	2537561593	Haloferax sp.	Haloferax sp. BAB2207
87	clique	2554235481	Haloferax alexandrinus	Haloferax alexandrinus JCM 10717
87	clique	646564536	Haloferax volcanii	Haloferax volcanii DS2, ATCC 29605
88	clique-group	2519103091	Enterococcus faecalis	Enterococcus faecalis ERV31
88	clique-group	647533132	Enterococcus faecalis	Enterococcus faecalis CH188
88	clique-group	2541047548	Enterococcus faecium	Enterococcus faecium SB2C-2
88	clique-group	2519103141	Enterococcus faecalis	Enterococcus faecalis ERV68
88	clique-group	647533142	Enterococcus faecalis	Enterococcus faecalis T2, Sapporo-603
88	clique-group	2541047588	Enterococcus faecalis	Enterococcus faecalis 20-SD-BW-06
88	clique-group	2519103136	Enterococcus faecalis	Enterococcus faecalis ERV65
88	clique-group	648276640	Enterococcus faecalis	Enterococcus faecalis TX0860
88	clique-group	647533139	Enterococcus faecalis	Enterococcus faecalis Merz96
88	clique-group	649989933	Enterococcus faecalis	Enterococcus faecalis DAPTO 516
88	clique-group	2541047583	Enterococcus faecalis	Enterococcus faecalis 06-MB-S-04
88	clique-group	2531839258	Enterococcus faecalis	Enterococcus faecalis TX0312
88	clique-group	2519103138	Enterococcus faecalis	Enterococcus faecalis ERV62
88	clique-group	2517572131	Enterococcus faecalis	Enterococcus faecalis D32
88	clique-group	648276638	Enterococcus faecalis	Enterococcus faecalis TX0411
88	clique-group	647533130	Enterococcus faecalis	Enterococcus faecalis AR01/DG
88	clique-group	645058711	Enterococcus faecalis	Enterococcus faecalis TUSoD Ef11
88	clique-group	649989935	Enterococcus faecalis	Enterococcus faecalis TX0470
88	clique-group	2541047575	Enterococcus faecalis	Enterococcus faecalis 20.SD.W.06
88	clique-group	2541047487	Enterococcus faecalis	Enterococcus faecalis V583
88	clique-group	643886004	Enterococcus faecalis	Enterococcus faecalis ATCC 29200
88	clique-group	647533141	Enterococcus faecalis	Enterococcus faecalis T11 (Okinawa-C1)
88	clique-group	647000240	Enterococcus faecalis	Enterococcus faecalis S613
88	clique-group	650377930	Enterococcus sp.	Enterococcus sp. 7L76
88	clique-group	2519103133	Enterococcus faecalis	Enterococcus faecalis ERV85
88	clique-group	2541047584	Enterococcus faecalis	Enterococcus faecalis 06-MB-S-10
88	clique-group	2519899746	Enterococcus faecalis	Enterococcus faecalis ATCC 29212
88	clique-group	2537561757	Enterococcus faecalis	Enterococcus faecalis TX0017
88	clique-group	647000239	Enterococcus faecalis	Enterococcus faecalis R712
88	clique-group	2534681822	Enterococcus faecalis	Enterococcus faecalis TX1342
88	clique-group	2519103135	Enterococcus faecalis	Enterococcus faecalis ERV63
88	clique-group	647533136	Enterococcus faecalis	Enterococcus faecalis Fly1
88	clique-group	2531839255	Enterococcus faecalis	Enterococcus faecalis TX1341

88	clique-group	2537561761	Enterococcus faecalis	Enterococcus faecalis TX0043
88	clique-group	2537561755	Enterococcus faecalis	Enterococcus faecalis TX0309B
88	clique-group	2541047576	Enterococcus faecalis	Enterococcus faecalis 20-SD-BW-08
88	clique-group	2541047586	Enterococcus faecalis	Enterococcus faecalis D811610-10
88	clique-group	648276642	Enterococcus faecalis	Enterococcus faecalis TX4248
88	clique-group	643886065	Enterococcus faecalis	Enterococcus faecalis TX0104
88	clique-group	2534681823	Enterococcus faecalis	Enterococcus faecalis TX1467
88	clique-group	2531839659	Enterococcus faecalis	Enterococcus faecalis M7
88	clique-group	649989932	Enterococcus faecalis	Enterococcus faecalis DAPTO 512
88	clique-group	2540341058	Enterococcus faecalis	Enterococcus faecalis Symbioflor 1
88	clique-group	647533134	Enterococcus faecalis	Enterococcus faecalis D55, ATCC 14508
88	clique-group	647533133	Enterococcus faecalis	Enterococcus faecalis D6
88	clique-group	2529292855	Enterococcus faecalis	Enterococcus faecalis TX2137
88	clique-group	2519103137	Enterococcus faecalis	Enterococcus faecalis ERV41
88	clique-group	2519103117	Enterococcus faecalis	Enterococcus faecalis ERV25
88	clique-group	647533144	Enterococcus faecalis	Enterococcus faecalis T8
88	clique-group	2519103119	Enterococcus faecalis	Enterococcus faecalis 599
88	clique-group	2531839109	Enterococcus faecalis	Enterococcus faecalis R508
88	clique-group	643886073	Enterococcus faecalis	Enterococcus faecalis HH22
88	clique-group	649989934	Enterococcus faecalis	Enterococcus faecalis TX0102
88	clique-group	2529292857	Enterococcus faecalis	Enterococcus faecalis TX4000
88	clique-group	647533138	Enterococcus faecalis	Enterococcus faecalis JH1
88	clique-group	2519103139	Enterococcus faecalis	Enterococcus faecalis ERV73
88	clique-group	2541047553	Enterococcus faecalis	Enterococcus faecalis RP25-4
88	clique-group	2545824648	Enterococcus faecalis	Enterococcus faecalis V583
88	clique-group	2531839259	Enterococcus faecalis	Enterococcus faecalis TX0630
88	clique-group	2519103140	Enterococcus faecalis	Enterococcus faecalis ERV81
88	clique-group	2541047538	Enterococcus faecalis	Enterococcus faecalis SLO2C-1
88	clique-group	647533143	Enterococcus faecalis	Enterococcus faecalis T3, Sapporo-109
88	clique-group	647533131	Enterococcus faecalis	Enterococcus faecalis ATCC 4200
88	clique-group	2541047580	Enterococcus faecalis	Enterococcus faecalis KI-6-1-110608-1
88	clique-group	2537561754	Enterococcus faecalis	Enterococcus faecalis TX0309A
88	clique-group	2541047589	Enterococcus faecalis	Enterococcus faecalis 02-MB-P-10
88	clique-group	648276641	Enterococcus faecalis	Enterococcus faecalis TX2134
88	clique-group	2534681818	Enterococcus faecalis	Enterococcus faecalis OG1X
88	clique-group	647533140	Enterococcus faecalis	Enterococcus faecalis T1
88	clique-group	649989936	Enterococcus faecalis	Enterococcus faecalis TX0635
88	clique-group	2531839257	Enterococcus faecalis	Enterococcus faecalis TX0645
88	clique-group	2541047540	Enterococcus faecalis	Enterococcus faecalis LA3B-2
88	clique-group	2519103092	Enterococcus faecalis	Enterococcus faecalis ERV116
88	clique-group	648276639	Enterococcus faecalis	Enterococcus faecalis TX0855
88	clique-group	647533137	Enterococcus faecalis	Enterococcus faecalis HIP11704
88	clique-group	2531839256	Enterococcus faecalis	Enterococcus faecalis TX1302
88	clique-group	647533145	Enterococcus faecalis	Enterococcus faecalis X98, ATCC 27276
88	clique-group	2541047585	Enterococcus faecalis	Enterococcus faecalis B83616-1
88	clique-group	2537561760	Enterococcus faecalis	Enterococcus faecalis TX0031
88	clique-group	2537561758	Enterococcus faecalis	Enterococcus faecalis TX0027
88	clique-group	643886064	Enterococcus faecalis	Enterococcus faecalis TX1322
88	clique-group	648276637	Enterococcus faecalis	Enterococcus faecalis TX0109
88	clique-group	647533135	Enterococcus faecalis	Enterococcus faecalis E1Sol
88	clique-group	2513237319	Enterococcus faecalis	Enterococcus faecalis PC1.1
88	clique-group	2519103134	Enterococcus faecalis	Enterococcus faecalis ERV93
88	clique-group	2529292854	Enterococcus faecalis	Enterococcus faecalis TX2141
88	clique-group	650377929	Enterococcus faecalis	Enterococcus faecalis 62
88	clique-group	2541047581	Enterococcus faecalis	Enterococcus faecalis F01966
88	clique-group	2519103116	Enterococcus faecalis	Enterococcus faecalis ERV103
88	clique-group	2541047552	Enterococcus faecalis	Enterococcus faecalis WKS-26-18-2
88	clique-group	637000101	Enterococcus faecalis	Enterococcus faecalis V583
88	clique-group	2537562093	Enterococcus faecalis	Enterococcus faecalis TX0012
88	clique-group	2541047587	Enterococcus faecalis	Enterococcus faecalis 02-MB-BW-10
88	clique-group	2519103118	Enterococcus faecalis	Enterococcus faecalis ERV129
88	clique-group	2534681821	Enterococcus faecalis	Enterococcus faecalis TX1346
88	clique-group	2511231133	Enterococcus faecalis	Enterococcus faecalis OG1RF, ATCC 47077
88	clique-group	2541047542	Enterococcus faecalis	Enterococcus faecalis VC1B-1
88	clique-group	2519103090	Enterococcus faecalis	Enterococcus faecalis ERV37
88	clique-group	2519103142	Enterococcus faecalis	Enterococcus faecalis ERV72
88	clique-group	2529292856	Enterococcus faecalis	Enterococcus faecalis TX4244
88	clique-group	2541047539	Enterococcus faecalis	Enterococcus faecalis UP25-6
89	clique	2529292743	Pseudomonas aeruginosa	Pseudomonas aeruginosa CIG1
89	clique	2554235132	Pseudomonas aeruginosa	Pseudomonas aeruginosa PGPR2
89	clique	2548876758	Pseudomonas aeruginosa	Pseudomonas aeruginosa NCMG1179
89	clique	2548877050	Pseudomonas aeruginosa	Pseudomonas aeruginosa XMG
89	clique	638341159	Pseudomonas aeruginosa	Pseudomonas aeruginosa C3719
89	clique	2507262022	Pseudomonas aeruginosa	Pseudomonas aeruginosa ITL_134MG (Initial Paired-End assembly)
89	clique	2554235218	Pseudomonas sp.	Pseudomonas aeruginosa LCT-PA41
89	clique	2505313005	Pseudomonas aeruginosa	Pseudomonas aeruginosa AMC 25-A-2, ATCC 8709
89	clique	2551306150	Pseudomonas aeruginosa	Pseudomonas aeruginosa AH16
89	clique	2519103093	Pseudomonas aeruginosa	Pseudomonas aeruginosa DK2
89	clique	2519899785	Pseudomonas aeruginosa	Pseudomonas aeruginosa PADK2_CF510
89	clique	2551306212	Pseudomonas aeruginosa	Pseudomonas aeruginosa PABL056
89	clique	2540341118	Pseudomonas aeruginosa	Pseudomonas aeruginosa B136-33
89	clique	2537562155	Pseudomonas aeruginosa	Pseudomonas aeruginosa ATCC 14886

89	clique	2529293228	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> MPAO1/P2
89	clique	2537561515	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PAO579
89	clique	2507262019	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> 1-7-2A, ATCC 21472 (Initial Paired-End assembly)
89	clique	639279310	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> UCBPP-PA14
89	clique	2511231183	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> M18
89	clique	2554235224	<i>Pseudomonas</i> sp.	<i>Pseudomonas aeruginosa</i> LCT-PA220
89	clique	2534681679	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> ATCC 700888
89	clique	2551306114	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> MRW44.1
89	clique	2507262023	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PHU46 (Initial Paired-End assembly)
89	clique	2540341042	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PA21_ST175
89	clique	2519103020	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PA45
89	clique	2547132313	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> AES-1R
89	clique	637000218	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PAO1
89	clique	649989990	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> 39016
89	clique	2548876757	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> 9BR
89	clique	638341158	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> 2192
89	clique	2554235471	<i>Acidovorax soli</i>	<i>Pseudomonas aeruginosa</i> BL21
89	clique	2507262021	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> HUN_PA531 (Initial Paired-End assembly)
89	clique	638341161	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PACS2
89	clique	2513237259	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. 2_1_26
89	clique	2501846300	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PAP7
89	clique	2529292742	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> Cl27
89	clique	2537562154	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> ATCC 25324
89	clique	2531839470	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> 152504
89	clique	2541047093	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PA14
89	clique	2505313002	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> AMC, ATCC 142
89	clique	2531839469	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> 138244
89	clique	2529293227	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> MPAO1/P1
89	clique	2545824744	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> MSH-10
89	clique	647000299	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PAb1
89	clique	2534681678	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> E2
89	clique	2511231165	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> NCGM2.S1
89	clique	2507262024	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> PsVir01 (Initial Paired-End assembly)
89	clique	643348568	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i> LESB58
89	clique	2502790010	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i>
90	clique	2524614576	<i>Streptomyces</i> sp.	<i>Streptomyces</i> sp. KhCrAH-43
90	clique	2524614547	<i>Streptomyces</i> sp.	<i>Streptomyces</i> sp. KhCrAH-40
90	clique	2524614544	<i>Streptomyces</i> sp.	<i>Streptomyces</i> sp. KhCrAH-337
91	clique	2529292896	<i>Brucella abortus</i>	<i>Brucella abortus</i> 63/168
91	clique	2551306184	<i>Brucella canis</i>	<i>Brucella canis</i> BCB018
91	clique	648276626	<i>Brucella</i> sp.	<i>Brucella</i> sp. NF 2653
91	clique	651053010	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> M28
91	clique	2537561568	<i>Brucella ovis</i>	<i>Brucella ovis</i> IntaBari-2006-46-348
91	clique	2529292841	<i>Brucella abortus</i>	<i>Brucella abortus</i> 65/157
91	clique	2534681642	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> 64/150
91	clique	2531839492	<i>Brucella suis</i>	<i>Brucella suis</i> 92/63
91	clique	2534681645	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> F3/02
91	clique	2519103080	<i>Brucella abortus</i>	<i>Brucella abortus</i> bv. 1 NI488
91	clique	647533117	<i>Brucella abortus</i>	<i>Brucella abortus</i> bv 5, B3196
91	clique	2534681828	<i>Brucella abortus</i>	<i>Brucella abortus</i> 877/67
91	clique	2529293166	<i>Brucella abortus</i>	<i>Brucella abortus</i> CNGB 759
91	clique	645058858	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> bv 1, Rev.1
91	clique	2537561745	<i>Brucella suis</i>	<i>Brucella suis</i> F7/06-5
91	clique	645951812	<i>Brucella</i> sp.	<i>Brucella</i> sp. F5/99
91	clique	2548877021	<i>Brucella suis</i>	<i>Brucella suis</i> 019
91	clique	2537561753	<i>Brucella suis</i>	<i>Brucella suis</i> F8/06-1
91	clique	2511231087	<i>Brucella canis</i>	<i>Brucella canis</i> HSK A52141
91	clique	2534681787	<i>Brucella suis</i>	<i>Brucella suis</i> CNGB 786
91	clique	645058841	<i>Brucella abortus</i>	<i>Brucella abortus</i> bv 4, 292
91	clique	2537562177	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> F8/01-155
91	clique	2529293111	<i>Brucella abortus</i>	<i>Brucella abortus</i> 80/28
91	clique	2531839078	<i>Brucella ovis</i>	<i>Brucella ovis</i> 81/8
91	clique	2534681849	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> F1/06 B10
91	clique	2537562081	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> F9/05
91	clique	2529293019	<i>Brucella abortus</i>	<i>Brucella abortus</i> F1/06-B21
91	clique	647533119	<i>Brucella</i> sp.	<i>Brucella</i> sp. NVSL 07-0026
91	clique	2531839082	<i>Brucella</i> sp.	<i>Brucella</i> sp. 56/94
91	clique	2534682283	<i>Brucella abortus</i>	<i>Brucella abortus</i> CNGB 966
91	clique	2529292843	<i>Brucella abortus</i>	<i>Brucella abortus</i> 80/108
91	clique	2531839490	<i>Brucella suis</i>	<i>Brucella suis</i> 63/261
91	clique	2513237201	<i>Brucella pinnipedialis</i>	<i>Brucella pinnipedialis</i> B2/94
91	clique	2511231208	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> bv. 3 NI
91	clique	2551306179	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> M5-10
91	clique	648276624	<i>Brucella</i> sp.	<i>Brucella</i> sp. B01
91	clique	2534681640	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> Uk24/06
91	clique	2537562183	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> CNGB 1076
91	clique	2537561549	<i>Brucella</i> sp.	<i>Brucella</i> sp. UK1/97
91	clique	2531839080	<i>Brucella</i> sp.	<i>Brucella</i> sp. F5/06
91	clique	641228480	<i>Brucella canis</i>	<i>Brucella canis</i> ATCC 23365
91	clique	2511231120	<i>Brucella suis</i>	<i>Brucella suis</i> VBI22
91	clique	637000041	<i>Brucella melitensis</i>	<i>Brucella melitensis</i> bv. 1 Abortus 2308
91	clique	2529293017	<i>Brucella abortus</i>	<i>Brucella abortus</i> NI240

91	clique	2537561751	Brucella suis	Brucella suis 01-5744
91	clique	2529292894	Brucella abortus	Brucella abortus NI639
91	clique	645058845	Brucella suis	Brucella suis bv 3, 686
91	clique	651053011	Brucella melitensis	Brucella melitensis M5-90
91	clique	2534681915	Brucella abortus	Brucella abortus 88/226
91	clique	2529293107	Brucella suis	Brucella suis 94/11
91	clique	2551306391	Brucella melitensis	Brucella melitensis bv. 3 128
91	clique	2534682034	Brucella abortus	Brucella abortus NI388
91	clique	2534681921	Brucella abortus	Brucella abortus F3/07-1
91	clique	2537561547	Brucella sp.	Brucella sp. F8/99
91	clique	2537561667	Brucella suis	Brucella suis F5/03-2
91	clique	2534682120	Brucella abortus	Brucella abortus F10/06-3
91	clique	2534682127	Brucella abortus	Brucella abortus 63/130
91	clique	2529293021	Brucella abortus	Brucella abortus 355/78
91	clique	645058865	Brucella ceti	Brucella ceti B1/94
91	clique	645058863	Brucella melitensis	Brucella melitensis bv 2, 63/9
91	clique	2531839077	Brucella ovis	Brucella ovis 63/96
91	clique	645058838	Brucella abortus	Brucella abortus bv 6, 870
91	clique	2551306452	Brucella canis	Brucella canis 118
91	clique	2531839325	Brucella abortus	Brucella abortus 88/217
91	clique	2529293026	Brucella abortus	Brucella abortus 78/14
91	clique	2551306191	Brucella abortus	Brucella abortus BC8013
91	clique	2537561564	Brucella ovis	Brucella ovis IntaBari-2001-319-5096
91	clique	2531839138	Brucella ovis	Brucella ovis IntaBari-2009-88-4
91	clique	2537562181	Brucella melitensis	Brucella melitensis CNGB 290
91	clique	645058717	Brucella abortus	Brucella abortus 2308 A
91	clique	2547132396	Brucella melitensis	Brucella melitensis bv. 1 M111
91	clique	2534682033	Brucella abortus	Brucella abortus NI380
91	clique	2534682286	Brucella abortus	Brucella abortus F3/01-300
91	clique	2534681829	Brucella abortus	Brucella abortus F6/05-3
91	clique	2537562089	Brucella melitensis	Brucella melitensis R3/07-2
91	clique	644736332	Brucella microti	Brucella microti CCM 4915
91	clique	643886153	Brucella ceti	Brucella ceti Cudo
91	clique	2534682038	Brucella abortus	Brucella abortus NI593
91	clique	2531839136	Brucella ovis	Brucella ovis IntaBari-2010-47-871
91	clique	2537562084	Brucella melitensis	Brucella melitensis UK29/05
91	clique	2551306508	Brucella melitensis	Brucella melitensis 043
91	clique	2537562204	Brucella abortus	Brucella abortus 65/63
91	clique	2534681791	Brucella canis	Brucella canis UK10/02
91	clique	2537562184	Brucella melitensis	Brucella melitensis CNGB 1120
91	clique	2551306188	Brucella suis	Brucella suis BC8025
91	clique	2529292903	Brucella abortus	Brucella abortus 67/781
91	clique	2519899841	Brucella abortus	Brucella abortus bv. 1 NI259
91	clique	2534681917	Brucella abortus	Brucella abortus F2/06-8
91	clique	2551306181	Brucella suis	Brucella suis BC8032
91	clique	2547132394	Brucella melitensis	Brucella melitensis bv. 1 M5
91	clique	2529292895	Brucella abortus	Brucella abortus NI633
91	clique	2529293024	Brucella abortus	Brucella abortus NI628
91	clique	2534681770	Brucella sp.	Brucella sp. F23/97
91	clique	2534681641	Brucella melitensis	Brucella melitensis UK19/04
91	clique	2534681639	Brucella melitensis	Brucella melitensis F5/07-239A
91	clique	2529293018	Brucella abortus	Brucella abortus NI649
91	clique	2519103110	Brucella suis	Brucella suis bv 1, 1330
91	clique	645058867	Brucella melitensis	Brucella melitensis bv 3, Ether
91	clique	2534682267	Brucella canis	Brucella canis 79/122
91	clique	2534682284	Brucella abortus	Brucella abortus CNGB 1011
91	clique	2529292845	Brucella abortus	Brucella abortus LEVI237
91	clique	2529292899	Brucella abortus	Brucella abortus 88/19
91	clique	2534681830	Brucella abortus	Brucella abortus F6/05-9
91	clique	2531839565	Brucella ovis	Brucella ovis F8/05B
91	clique	2534682031	Brucella abortus	Brucella abortus NI274
91	clique	2537562087	Brucella melitensis	Brucella melitensis BG2 (S27)
91	clique	2537561566	Brucella ovis	Brucella ovis IntaBari-2008-114-542
91	clique	2534682029	Brucella abortus	Brucella abortus NI613
91	clique	2534682121	Brucella abortus	Brucella abortus 67/93
91	clique	2529293109	Brucella abortus	Brucella abortus 84/26
91	clique	2551306193	Brucella abortus	Brucella abortus BC8027
91	clique	2519103081	Brucella abortus	Brucella abortus bv. 1 NI435a
91	clique	2529293165	Brucella abortus	Brucella abortus CNGB 436
91	clique	2551306409	Brucella melitensis	Brucella melitensis bv. 1 133
91	clique	2534682036	Brucella abortus	Brucella abortus NI492
91	clique	647533116	Brucella abortus	Brucella abortus NCTC 8038
91	clique	2537562082	Brucella melitensis	Brucella melitensis UK3/06
91	clique	2534682119	Brucella abortus	Brucella abortus 544
91	clique	2537561550	Brucella sp.	Brucella sp. UK40/99
91	clique	2548876918	Brucella melitensis	Brucella melitensis 16M1W
91	clique	2529292901	Brucella abortus	Brucella abortus F6/05-2
91	clique	2554235006	Brucella melitensis	Brucella melitensis M5
91	clique	2534681916	Brucella abortus	Brucella abortus F1/06 B1
91	clique	2529292900	Brucella abortus	Brucella abortus 63/294
91	clique	2534681788	Brucella canis	Brucella canis CNGB 1324
91	clique	2529293110	Brucella suis	Brucella suis CNGB 247

91	clique	2537561759	Brucella suis	Brucella suis F7/06-1
91	clique	2537561929	Brucella abortus	Brucella abortus RB51-AHVLA
91	clique	645058844	Brucella ceti	Brucella ceti M644/93/1
91	clique	647533118	Brucella melitensis	Brucella melitensis bv. 1, 16M
91	clique	2534681790	Brucella canis	Brucella canis CNGB 1172
91	clique	2534681644	Brucella melitensis	Brucella melitensis UK23/06
91	clique	2531839081	Brucella sp.	Brucella sp. 63/311
91	clique	2529293022	Brucella abortus	Brucella abortus 63/144
91	clique	2551306529	Brucella melitensis	Brucella melitensis S66
91	clique	2537561744	Brucella suis	Brucella suis 5/05-10
91	clique	2537561750	Brucella suis	Brucella suis F5/05-4
91	clique	2534682282	Brucella abortus	Brucella abortus CNGB 1432
91	clique	637000040	Brucella melitensis	Brucella melitensis bv 1, 16M
91	clique	647533120	Brucella suis	Brucella suis bv 4, 40
91	clique	2534681826	Brucella abortus	Brucella abortus 65/110
91	clique	643692012	Brucella melitensis	Brucella melitensis ATCC 23457
91	clique	2529292842	Brucella abortus	Brucella abortus 64/108
91	clique	2547132391	Brucella suis	Brucella suis bv. 1 S2
91	clique	2551306394	Brucella abortus	Brucella abortus bv. 1 134
91	clique	2531839073	Brucella abortus	Brucella abortus R42-08
91	clique	2537561569	Brucella ovis	Brucella ovis IntaBari-2006-46-332
91	clique	2531839491	Brucella suis	Brucella suis F12/02
91	clique	2529293112	Brucella abortus	Brucella abortus F10/05-11
91	clique	2551306174	Brucella abortus	Brucella abortus BCB034
91	clique	645058783	Brucella pinnipedialis	Brucella pinnipedialis M163/99/10
91	clique	2529293167	Brucella abortus	Brucella abortus CNGB 752
91	clique	645058868	Brucella neotomae	Brucella neotomae 5K33, ATCC 23459
91	clique	2534681922	Brucella abortus	Brucella abortus 80/101
91	clique	2531839079	Brucella ovis	Brucella ovis 80/125
91	clique	2534681920	Brucella abortus	Brucella abortus 85/140
91	clique	2537562178	Brucella melitensis	Brucella melitensis 66/59
91	clique	645058848	Brucella sp.	Brucella sp. 83/13
91	clique	2534681792	Brucella canis	Brucella canis F7/05A
91	clique	2519899834	Brucella abortus	Brucella abortus bv. 1 NI010
91	clique	642555110	Brucella abortus	Brucella abortus S19
91	clique	2551306182	Brucella melitensis	Brucella melitensis BCB028
91	clique	2534681918	Brucella abortus	Brucella abortus F6/05-4
91	clique	2537562179	Brucella melitensis	Brucella melitensis F2/06-6
91	clique	2534682035	Brucella abortus	Brucella abortus NI422
91	clique	2537561668	Brucella suis	Brucella suis F7/06-2
91	clique	2537561661	Brucella suis	Brucella suis F9/06-1
91	clique	2551306185	Brucella abortus	Brucella abortus 104M
91	clique	2531839105	Brucella abortus	Brucella abortus levi gila
91	clique	2534681827	Brucella abortus	Brucella abortus 64/122
91	clique	2537562186	Brucella melitensis	Brucella melitensis F15/06-7
91	clique	2529292844	Brucella abortus	Brucella abortus 90/50
91	clique	648276625	Brucella sp.	Brucella sp. BO2
91	clique	2503508000	Brucella abortus	Brucella abortus bv. 1 RB51
91	clique	2534681789	Brucella canis	Brucella canis CNGB 513
91	clique	637000042	Brucella suis	Brucella suis bv 1, 1330
91	clique	641228481	Brucella suis	Brucella suis ATCC 23445
91	clique	2529292839	Brucella abortus	Brucella abortus F5/04-7
91	clique	2534681643	Brucella melitensis	Brucella melitensis UK22/06
91	clique	2537561548	Brucella sp.	Brucella sp. UK5/01
91	clique	2511231179	Brucella pinnipedialis	Brucella pinnipedialis B2/94
91	clique	2531839116	Brucella abortus	Brucella abortus 93/1
91	clique	2529292897	Brucella abortus	Brucella abortus NI645
91	clique	2537562085	Brucella melitensis	Brucella melitensis UK14/06
91	clique	2537561565	Brucella ovis	Brucella ovis IntaBari-2001-319-4082
91	clique	2547132395	Brucella melitensis	Brucella melitensis bv. 1 M28-12
91	clique	645058859	Brucella pinnipedialis	Brucella pinnipedialis M292/94/1
91	clique	2534681919	Brucella abortus	Brucella abortus 78/36
91	clique	2529293023	Brucella abortus	Brucella abortus NI518
91	clique	2548877005	Brucella melitensis	Brucella melitensis bv. 1 16M
91	clique	645058839	Brucella abortus	Brucella abortus bv 2, 86/8/59
91	clique	645058840	Brucella suis	Brucella suis bv 5, 513
91	clique	2534681638	Brucella melitensis	Brucella melitensis UK22/04
91	clique	645058847	Brucella ceti	Brucella ceti M13/05/1
91	clique	2519103082	Brucella abortus	Brucella abortus bv. 1 NI474
91	clique	2519103089	Brucella abortus	Brucella abortus bv. 1 NI021
91	clique	2531839049	Brucella abortus	Brucella abortus 64/81
91	clique	2529293108	Brucella suis	Brucella suis F4/06-146
91	clique	2537562205	Brucella abortus	Brucella abortus 87/28
91	clique	2537562088	Brucella melitensis	Brucella melitensis F6/05-6
91	clique	2531839656	Brucella melitensis	Brucella melitensis F10/06-16
91	clique	2534682032	Brucella abortus	Brucella abortus NI352
91	clique	2531839083	Brucella sp.	Brucella sp. F96/2
91	clique	2529293020	Brucella abortus	Brucella abortus 63/138
91	clique	2537562083	Brucella melitensis	Brucella melitensis UK31/99
91	clique	645058842	Brucella abortus	Brucella abortus bv 3, Tulya
91	clique	2548876917	Brucella melitensis	Brucella melitensis 16M13W
91	clique	2551306189	Brucella melitensis	Brucella melitensis BCB033

91	clique	2534682037	Brucella abortus	Brucella abortus NI495a
91	clique	2537561551	Brucella sp.	Brucella sp. UK38/05
91	clique	2529293025	Brucella abortus	Brucella abortus 600/64
91	clique	640427105	Brucella ovis	Brucella ovis ATCC 25840
91	clique	2534681914	Brucella abortus	Brucella abortus 863/67
91	clique	2534681786	Brucella suis	Brucella suis 92/29
91	clique	2534681646	Brucella melitensis	Brucella melitensis F10/05-2
91	clique	2529292898	Brucella abortus	Brucella abortus 85/69
91	clique	2529292902	Brucella abortus	Brucella abortus 63/59
91	clique	2529292846	Brucella abortus	Brucella abortus 80/102
91	clique	2511231108	Brucella abortus	Brucella abortus A13334
91	clique	637000039	Brucella abortus	Brucella abortus bv 1, 9-941
91	clique	2519899782	Brucella abortus	Brucella abortus bv. 1 NI016
91	clique	645058866	Brucella ceti	Brucella ceti M490/95/1
91	clique	645058864	Brucella abortus	Brucella abortus bv 9, C68
91	clique	2534682266	Brucella suis	Brucella suis F8/06-3
91	clique	2531839137	Brucella ovis	Brucella ovis IntaBari-2010-47-268
91	clique	2534682285	Brucella abortus	Brucella abortus 78/32
91	clique	2537562086	Brucella melitensis	Brucella melitensis UK37/05
91	clique	2531839493	Brucella suis	Brucella suis F8/06-2
91	clique	2537562182	Brucella melitensis	Brucella melitensis B115
91	clique	2537561567	Brucella ovis	Brucella ovis IntaBari-1993-758
91	clique	2534682030	Brucella abortus	Brucella abortus NI622
91	clique	2531839489	Brucella suis	Brucella suis 63/252
91	clique	2531839135	Brucella ovis	Brucella ovis IntaBari-2002-82-58
91	clique	2529293164	Brucella abortus	Brucella abortus CNGB 308
91	clique	2534682126	Brucella abortus	Brucella abortus 225/65
91	clique	2519103079	Brucella abortus	Brucella abortus bv. 1 NI486
91	clique	2551306186	Brucella suis	Brucella suis S2-30
91	clique	2537561662	Brucella suis	Brucella suis 63/198
92	clique	2551306125	Enterobacter cloacae	Enterobacter cloacae cloacae O8XA1
92	clique	650377928	Enterobacter cloacae	Enterobacter cloacae cloacae NCTC 9394
92	clique	2551306531	Enterobacter hormaechei	Enterobacter hormaechei YT2
92	clique	2551306516	Enterobacter hormaechei	Enterobacter hormaechei YT3
92	clique	2547132185	Enterobacter cancerogenus	Enterobacter cancerogenus YZ1
92	clique	2531839680	Enterobacter cloacae	Enterobacter cloacae cloacae GS1
93	clique	643886010	Staphylococcus capitis	Staphylococcus capitis SK14
93	clique	651285006	Staphylococcus caprae	Staphylococcus caprae C87
93	clique	2548877067	Staphylococcus capitis	Staphylococcus capitis QN1
93	clique	2540341018	Staphylococcus epidermidis	Staphylococcus epidermidis VCU116
94	clique	2534682202	Parabacteroides johnsonii	Parabacteroides johnsonii CL02T12C29
94	clique	642979358	Parabacteroides johnsonii	Parabacteroides johnsonii DSM 18315
95	clique-group	651053040	Lactobacillus johnsonii	Lactobacillus johnsonii DPC 6026
95	clique-group	646564540	Lactobacillus johnsonii	Lactobacillus johnsonii F19785
95	clique-group	2537562160	Lactobacillus johnsonii	Lactobacillus johnsonii pf01
95	clique-group	643886046	Lactobacillus johnsonii	Lactobacillus johnsonii ATCC 33200
95	clique-group	637000140	Lactobacillus johnsonii	Lactobacillus johnsonii NCC 533
96	clique	646564585	Thiomonas intermedia	Thiomonas intermedia K12
96	clique	651053077	Thiomonas arsenitoxydans	Thiomonas arsenitoxydans 3As
97	clique	2547132107	Chlamydomphila abortus	Chlamydomphila abortus LLG
97	clique	637000065	Chlamydomphila abortus	Chlamydomphila abortus S26/3
98	clique	2518645552	Klebsiella oxytoca	Klebsiella oxytoca E718
98	clique	2531839270	Klebsiella sp.	Klebsiella sp. OBRC7
98	clique	2511231124	Klebsiella oxytoca	Klebsiella oxytoca KCTC 1686
98	clique	2531839401	Klebsiella oxytoca	Klebsiella oxytoca 10-5242
99	clique	2534682262	Rhodopirellula baltica	Rhodopirellula baltica SH28
99	clique	2534681958	Rhodopirellula baltica	Rhodopirellula baltica WH47
99	clique	637000236	Rhodopirellula baltica	Rhodopirellula baltica SH 1
100	clique	2540341040	Pseudoalteromonas sp.	Pseudoalteromonas sp. BSi20429
100	clique	2541047156	Pseudoalteromonas arctica	Pseudoalteromonas arctica A 37-1-2
101	clique	2517434012	Ancylobacter sp.	Ancylobacter sp. FA202
101	clique	2519899517	unclassified	Xanthobacteraceae bacterium 501b
102	clique	2554235319	Streptococcus intermedius	Streptococcus intermedius C270
102	clique	2537561861	Streptococcus intermedius	Streptococcus intermedius SK54, ATCC 27335
102	clique	2519899567	Streptococcus intermedius	Streptococcus intermedius BA1
102	clique	2524023218	Streptococcus intermedius	Streptococcus intermedius JTH08
102	clique	2554235320	Streptococcus intermedius	Streptococcus intermedius B196
102	clique	2529293222	Streptococcus intermedius	Streptococcus intermedius F0413
103	clique	2508501103	Jonquetella anthropi	Jonquetella anthropi ADV 126, DSM 22815
103	clique	645951855	Jonquetella anthropi	Jonquetella anthropi E3_33 E1
104	clique	2529293245	Haloferax mediterranei	Haloferax mediterranei ATCC 33500
104	clique	2521172713	Haloferax volcanii	Haloferax mediterranei R-4, ATCC 33500
104	clique	2508501019	Haloferax volcanii	Haloferax mediterranei R-4, ATCC 33500
105	clique	2513237269	Eubacterium sp.	Eubacterium sp. ACC19a
105	clique	2513237271	Eubacterium sp.	Eubacterium sp. CM5
106	clique	2545824640	Glaciecola psychrophila	Glaciecola psychrophila 170
106	clique	2541047515	Glaciecola psychrophila	Glaciecola psychrophila 170
107	clique	2522572066	Eggerthia cateniformis	Eggerthia cateniformis DSM 20559
107	clique	2537561938	Lactobacillus cateniformis	Lactobacillus cateniformis OT 569
108	clique	641736197	Clostridium scindens	Clostridium scindens ATCC 35704
108	clique	651324053	unclassified	Lachnospiraceae bacterium 5_1_57FAA
109	clique	637000356	Zymomonas mobilis	Zymomonas mobilis mobilis ZM4

109	clique	646311969	Zymomonas mobilis	Zymomonas mobilis mobilis NCIB 11163
109	clique	2545555880	Zymomonas mobilis	Zymomonas mobilis mobilis CP4
109	clique	2551306405	Zymomonas mobilis	Zymomonas mobilis mobilis ATCC 31822
109	clique	645058785	Zymomonas mobilis	Zymomonas mobilis mobilis T.H.Delft 1, ATCC 10988
110	clique	2529293266	Bacteroides sp.	Bacteroides sp. HPS0048
110	clique	2537561664	Bacteroides nordii	Bacteroides nordii CL02T12C05
111	clique	2526164763	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:17
111	clique	2510065054	Pseudomonas brassicacearum	Pseudomonas brassicacearum 51MFCV12.1
111	clique	2548876663	Pseudomonas fluorescens	Pseudomonas fluorescens Wood1R
111	clique	650716074	Pseudomonas brassicacearum	Pseudomonas brassicacearum brassicacearum NFM421
112	clique	2228664056	unclassified	gamma proteobacterium SCGC AAA168-118
112	clique	2228664028	unclassified	gamma proteobacterium SCGC AAA168-P09
113	clique	2537561888	Eubacterium sp.	Eubacterium sp. AS15
113	clique	648276673	Eubacterium yurii	Eubacterium yurii margaretae ATCC 43715
114	clique	646311964	Thermotoga naphthophila	Thermotoga naphthophila RKU-10
114	clique	640427150	Thermotoga petrophila	Thermotoga petrophila RKU-1
115	clique	643692015	Chloroflexus sp.	Chloroflexus sp. Y-400-fl
115	clique	641228485	Chloroflexus aurantiacus	Chloroflexus aurantiacus J-10-fl
116	clique	2547132407	Helicobacter pylori	Helicobacter pylori NQ1701
116	clique	2547132411	Helicobacter pylori	Helicobacter pylori NQ352
117	clique	2540341041	Pseudoalteromonas sp.	Pseudoalteromonas sp. BSi20311
117	clique	2540341039	Pseudoalteromonas sp.	Pseudoalteromonas sp. BSi20439
118	clique	2505679051	Gordonia westfalica	Gordonia westfalica J30
118	clique	2523231041	Gordonia namibiensis	Gordonia namibiensis NBRC 108229
119	clique	651324027	Dysgonomonas mossii	Dysgonomonas mossii DSM 22836
119	clique	2515154085	Dysgonomonas mossii	Dysgonomonas mossii DSM 22836
120	clique	649633088	Rahnella sp.	Rahnella sp. Y9602
120	clique	2513237194	Rahnella aquatilis	Rahnella aquatilis HX2
121	clique	651324054	unclassified	Lachnospiraceae bacterium 6_1_63FAA
121	clique	643886146	Blautia henseni	Blautia henseni VPI C7-24, DSM 20583
122	clique	649989953	Haladaptatus paucihalophilus	Haladaptatus paucihalophilus DX253
122	clique	2507262000	Haladaptatus paucihalophilus	Haladaptatus paucihalophilus DX253
122	clique	2516653072	Haladaptatus paucihalophilus	Haladaptatus paucihalophilus DX253, DSM 18195
123	clique	2534681879	Streptococcus parasanguinis	Streptococcus parasanguinis F0449
123	clique	650716089	Streptococcus parasanguinis	Streptococcus parasanguinis ATCC 15912
123	clique	2513237245	Streptococcus parasanguinis	Streptococcus parasanguinis FW213
124	clique	2523533586	Rubrivivax benzoatilyticus	Rubrivivax benzoatilyticus ATCC BAA-35
124	clique	651324096	Rubrivivax benzoatilyticus	Rubrivivax benzoatilyticus JA2
125	clique	648276739	Streptococcus oralis	Streptococcus oralis ATCC 35037
125	clique	647000325	Streptococcus oralis	Streptococcus oralis SK23, ATCC 35037
126	clique	649633092	Riemerella anatipestifer	Riemerella anatipestifer A350/72, DSM 15868
126	clique	651053063	Riemerella anatipestifer	Riemerella anatipestifer RA-GD
126	clique	2551306126	Riemerella anatipestifer	Riemerella anatipestifer RA-SG
126	clique	2531839590	Riemerella anatipestifer	Riemerella anatipestifer RA-YM
126	clique	2512564079	Riemerella anatipestifer	Riemerella anatipestifer A350/72, DSM 15868
126	clique	2521172679	Riemerella anatipestifer	Riemerella anatipestifer RA-CH-2
127	clique	2523533539	Desulfovibrio hydrothermalis	Desulfovibrio hydrothermalis DSM 14728
127	clique	2540341100	Desulfovibrio hydrothermalis	Desulfovibrio hydrothermalis AM13, DSM 14728
128	clique	2531839249	Bacteroides massiliensis	Bacteroides massiliensis Timone 84634, DSM 17679
128	clique	2515154074	Bacteroides massiliensis	Bacteroides massiliensis DSM 17679
129	clique-group	2524614712	Blautia wexlerae	Blautia wexlerae AGR2146
129	clique-group	646206280	Ruminococcus sp.	Ruminococcus sp. 5_1_39BFAA
129	clique-group	2528768167	Blautia wexlerae	Blautia wexlerae DSM 19850
130	clique	2513237390	Paraprevotella clara	Paraprevotella clara YIT 11840
130	clique	651324019	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 329 F0087
131	clique	2512564006	Octadecabacter arcticus	Octadecabacter arcticus 238, DSM 13978
131	clique	647533189	Octadecabacter arcticus	Octadecabacter arcticus 238, DSM 13978
132	clique	2514885008	Gallibacterium anatis	Gallibacterium anatis DSM 16844
132	clique	650716038	Gallibacterium anatis	Gallibacterium anatis UMN179
133	clique	2511231094	Pseudogulbenkiania sp.	Pseudogulbenkiania sp. NH8B
133	clique	643886068	Pseudogulbenkiania ferrooxidans	Pseudogulbenkiania ferrooxidans 2002
134	clique	643348526	Caulobacter crescentus	Caulobacter crescentus NA1000
134	clique	637000061	Caulobacter crescentus	Caulobacter crescentus CB15
135	clique	637000330	Tropheryma whipplei	Tropheryma whipplei TW08/27
135	clique	637000331	Tropheryma whipplei	Tropheryma whipplei Twist
136	clique	2518645604	Prevotella loescheii	Prevotella loescheii DSM 19665
136	clique	647000294	Prevotella sp.	Prevotella sp. F0295
137	clique	644736358	Eggerthella lenta	Eggerthella lenta VPI 0255, DSM 2243
137	clique	649989930	Eggerthella sp.	Eggerthella sp. 1_3_56FAA
137	clique	651324028	Eggerthella sp.	Eggerthella sp. HGA1
138	clique	644736336	Candidatus Liberibacter asiaticus	Candidatus Liberibacter asiaticus psy62
138	clique	2540341131	Candidatus Liberibacter asiaticus	Candidatus Liberibacter asiaticus gpxsy
139	clique	2501025504	Burkholderia sp.	Burkholderia sp. SRMrh-20
139	clique	2501025501	Burkholderia sp.	Burkholderia sp. PVA5
140	clique	2510065052	Cloacibacillus evryensis	Cloacibacillus evryensis 158, DSM 19522
140	clique	2513237299	Synergistes sp.	Synergistes sp. 3_1_syn1
141	clique	643348529	Clostridium kluyveri	Clostridium kluyveri NBRC 12016
141	clique	640753020	Clostridium kluyveri	Clostridium kluyveri DSM 555
142	clique	2503538027	Thermoanaerobacter ethanolicus	Thermoanaerobacter ethanolicus JW 200
142	clique	2504756058	Thermoanaerobacter wiegeli	Thermoanaerobacter wiegeli Rt8.B1
142	clique	2505313024	Thermoanaerobacter sp.	Thermoanaerobacter sp.
142	clique	2517287027	Thermoanaerobacter indiensis	Thermoanaerobacter indiensis BSB-33

142	clique	2509276025	Thermoanaerobacter siderophilus	Thermoanaerobacter siderophilus SR4
143	clique	647000342	Vibrio orientalis	Vibrio orientalis CIP 102891
143	clique	2529292738	Vibrio orientalis	Vibrio orientalis CIP 102891
144	clique	2523231052	Thioalkalivibrio sp.	Thioalkalivibrio sp. ARh3
144	clique	2521172563	Thioalkalivibrio sp.	Thioalkalivibrio sp. ARh5
144	clique	2519899645	Thioalkalivibrio thiocyanoxidans	Thioalkalivibrio thiocyanoxidans ARh2
145	clique	637000080	Clostridium tetani	Clostridium tetani Massachusetts E88
145	clique	2502957024	Clostridium tetani	Clostridium tetani VI/1, ATCC 454
146	clique	2513237343	Dorea formicigenerans	Dorea formicigenerans 4_6_53AFAA
146	clique	641736133	Dorea formicigenerans	Dorea formicigenerans ATCC 27755
146	clique	2524614702	Dorea sp.	Dorea sp. AGR2135
147	clique	646206262	Fusobacterium sp.	Fusobacterium sp. 2_1_31
147	clique	2534681820	Fusobacterium periodonticum	Fusobacterium periodonticum D10
148	clique	2506520045	Leptotrichia goodfellowii	Leptotrichia goodfellowii LB 57, DSM 19756
148	clique	647000268	Leptotrichia goodfellowii	Leptotrichia goodfellowii F0264
149	clique	2534682142	Clostridium botulinum	Clostridium botulinum type C Stockholm
149	clique	645058817	Clostridium botulinum	Clostridium botulinum D 1873
150	clique	2515154080	Thermus oshimai	Thermus oshimai DSM 12092
150	clique	2508501045	Thermus oshimai	Thermus oshimai JL-2
151	clique	2540341076	Carnobacterium maltaromaticum	Carnobacterium maltaromaticum LMA28
151	clique	2547132401	Carnobacterium maltaromaticum	Carnobacterium maltaromaticum ATCC 35586
152	clique	2531839280	Actinomyces georgiae	Actinomyces georgiae F0490
152	clique	2523231019	Actinomyces georgiae	Actinomyces georgiae DSM 6843
153	clique	649633074	Mycoplasma leachii	Mycoplasma leachii PG50
153	clique	651053046	Mycoplasma leachii	Mycoplasma leachii 99/014/6
154	clique	650716045	Lactobacillus acidophilus	Lactobacillus acidophilus 30SC
154	clique	651053037	Lactobacillus amylovorus	Lactobacillus amylovorus GRL 1118
154	clique	2509276050	Lactobacillus acidophilus	Lactobacillus acidophilus JV3179
154	clique	2503386000	Lactobacillus acidophilus	Lactobacillus acidophilus JV3179
154	clique	650716046	Lactobacillus amylovorus	Lactobacillus amylovorus GRL 1112
155	clique	2529293211	Natronorubrum tibetense	Natronorubrum tibetense GA33
155	clique	2517287024	Natronorubrum tibetense	Natronorubrum tibetense DSM 13204
156	clique	647533121	unclassified	Campylobacteriales sp. GD 1
156	clique	2529293096	Sulfurimonas sp.	Sulfurimonas sp. GD1
157	clique	640069329	Saccharopolyspora erythraea	Saccharopolyspora erythraea NRRL 2338
157	clique	647000310	Saccharopolyspora erythraea	Saccharopolyspora erythraea NRRL 2338
158	clique	2515154173	Prevotella intermedia	Prevotella intermedia ATCC 25611
158	clique	2523231016	Prevotella intermedia	Prevotella intermedia DSM 20706
158	clique	2501416924	Prevotella intermedia	Prevotella intermedia 17
159	clique	2551306247	Streptococcus suis	Streptococcus suis YS23-2
159	clique	2551306292	Streptococcus suis	Streptococcus suis YS72
160	clique	2548876508	Pseudomonas tolaasii	Pseudomonas tolaasii PMS117
160	clique	2548876969	Pseudomonas tolaasii	Pseudomonas tolaasii 6264
161	clique	2510461014	Arthrobacter nitroguajacolicus	Arthrobacter nitroguajacolicus Rue61a
161	clique	639633005	Arthrobacter aurescens	Arthrobacter aurescens TC1
162	clique	645058824	Streptomyces ghanaensis	Streptomyces ghanaensis ATCC 14672
162	clique	2518285526	Streptomyces viridosporus	Streptomyces viridosporus T7A, ATCC 39115
163	clique	647533199	Prochlorococcus marinus	Prochlorococcus marinus MIT9202
163	clique	640753041	Prochlorococcus marinus	Prochlorococcus marinus MIT 9215
164	clique	645951807	Chlamydia muridarum	Chlamydia muridarum Weiss
164	clique	645951815	Chlamydia muridarum	Chlamydia muridarum Nigg
164	clique	648276628	Chlamydia muridarum	Chlamydia muridarum MopnTet14 mopn14
164	clique	637000062	Chlamydia muridarum	Chlamydia muridarum MoPn / Nigg
165	clique	643886066	Lactobacillus gasseri	Lactobacillus gasseri JV-V03
165	clique	2545824750	Lactobacillus gasseri	Lactobacillus gasseri K7
166	clique	2529293034	Helicobacter pylori	Helicobacter pylori NQ4099
166	clique	2526164636	Helicobacter pylori	Helicobacter pylori NQ4076
167	clique	649633075	Neisseria lactamica	Neisseria lactamica 020-06
167	clique	2537561798	Neisseria lactamica	Neisseria lactamica Y92-1009
168	clique	647533241	Veillonella sp.	Veillonella sp. 3_1_44
168	clique	647533242	Veillonella sp.	Veillonella sp. 6_1_27
168	clique	647000331	Veillonella parvula	Veillonella parvula ATCC 17745
169	clique	649633096	Stigmatella aurantiaca	Stigmatella aurantiaca DW4/3-1
169	clique	639857000	Stigmatella aurantiaca	Stigmatella aurantiaca DW4/3-1
170	clique	2519899575	Citrobacter freundii	Citrobacter freundii ATCC 8090
170	clique	2534682223	Citrobacter freundii	Citrobacter freundii GTC 09629
170	clique	2519899624	Citrobacter sp.	Citrobacter sp. A1
170	clique	2531839651	Citrobacter freundii	Citrobacter freundii GTC 09479
170	clique	2519899729	Citrobacter sp.	Citrobacter sp. L17
171	clique	2537561606	Leptospira borgpetersenii	Leptospira borgpetersenii 200901122
171	clique	2537561645	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Mini 200901116
172	clique	2547132374	Acidovorax radialis	Acidovorax radialis N35
172	clique	2547132375	Acidovorax radialis	Acidovorax radialis N35v
173	clique	2537562212	Helicobacter pylori	Helicobacter pylori R056a
173	clique	2529292745	Helicobacter pylori	Helicobacter pylori R018c
174	clique	2540341077	Methanosarcina mazei	Methanosarcina mazei Tuc01
174	clique	638154509	Methanosarcina mazei	Methanosarcina mazei Go1, DSM 3647
175	clique	2551306079	Vibrio tasmaniensis	Vibrio tasmaniensis 1F-267
175	clique	643348587	Vibrio splendidus	Vibrio splendidus LGP32
175	clique	638341230	Vibrio sp.	Vibrio sp. MED222
175	clique	2551306076	Vibrio tasmaniensis	Vibrio tasmaniensis 1F-155
175	clique	2551306080	Vibrio tasmaniensis	Vibrio tasmaniensis 1F-187

176	clique	649633053	Halogeometricum borinquense	Halogeometricum borinquense PR3, DSM 11551
176	clique	2537561588	Halogeometricum borinquense	Halogeometricum borinquense DSM 11551
177	clique	2521172614	Microbacterium paraoxydans	Microbacterium paraoxydans 77MFTsu3.2
177	clique	2522125170	Microbacterium sp.	Microbacterium sp. 11MF
178	clique	2513237150	Cupriavidus taiwanensis	Cupriavidus taiwanensis STM6018
178	clique	644736347	Cupriavidus taiwanensis	Cupriavidus taiwanensis LMG 19424
179	clique	2170459028	unclassified	Bankia setacea gill symbiont BS12
179	clique	2545555829	unclassified	Alteromonadaceae bacterium Bs12
180	clique	2545824663	Enterococcus saccharolyticus	Enterococcus saccharolyticus ATCC 43076
180	clique	2541047445	Enterococcus saccharolyticus	Enterococcus saccharolyticus ATCC 43076
181	clique	2513237322	Bilophila sp.	Bilophila sp. 4_1_30
181	clique	649989917	Bilophila wadsworthia	Bilophila wadsworthia 3_1_6
182	clique	639633049	Pediococcus pentosaceus	Pediococcus pentosaceus ATCC 25745
182	clique	2531839139	Pediococcus pentosaceus	Pediococcus pentosaceus IE-3
183	clique	2508501064	Pseudomonas syringae	Pseudomonas syringae Cit 7 (Cit7)
183	clique	2505313055	Pseudomonas syringae	Pseudomonas syringae PsyCit7 (Psy94)
183	clique	2541047482	Pseudomonas syringae	Pseudomonas syringae BRIP39023
184	clique	2507262033	Pseudomonas syringae	Pseudomonas syringae TLP2 (TLP2)
184	clique	648276717	Pseudomonas syringae	Pseudomonas syringae pv. syringae 642
185	clique	651053025	Francisella novicida	Francisella novicida 3523
185	clique	2504756030	Francisella hispaniensis	Francisella hispaniensis F5C454, CCUG 58020
186	clique	2547132403	Edwardsiella ictaluri	Edwardsiella ictaluri ATCC 33202
186	clique	644736357	Edwardsiella ictaluri	Edwardsiella ictaluri 93-146
187	clique	651324080	Paenibacillus sp.	Paenibacillus sp. HGF5
187	clique	646311929	Paenibacillus lautus	Paenibacillus lautus Y412MC10
188	clique	2515154159	Prevotella micans	Prevotella micans DSM 21469
188	clique	2513237310	Prevotella micans	Prevotella micans F0438
189	clique	2548876970	Singulisphaera acidiphila	Singulisphaera acidiphila DSM 18658
189	clique	2509601004	Singulisphaera acidiphila	Singulisphaera acidiphila MOB10, DSM 18658
190	clique	2516653054	Acetobacter aceti	Acetobacter aceti ATCC 23746
190	clique	2547132264	Acetobacter aceti	Acetobacter aceti Visser 't Hooft X, NBRC 14818
191	clique	2507262026	Desulfotomaculum nigrificans	Desulfotomaculum nigrificans DSM 574
191	clique	2505679104	Desulfotomaculum carboxydivorans	Desulfotomaculum carboxydivorans CO-1-SRB, DSM 14880
192	clique	2540341067	Solibacillus silvestris	Solibacillus silvestris StLB046
192	clique	2519899743	Bacillus isronensis	Bacillus isronensis B3W22
193	clique	2521172631	Rhodococcus sp.	Rhodococcus sp. 114MFTsu3.1
193	clique	2519899643	Rhodococcus sp.	Rhodococcus sp. 29MFTsu3.1
194	clique	2529292556	Thermodesulfobivrio islandicus	Thermodesulfobivrio islandicus DSM 12570
194	clique	643348581	Thermodesulfobivrio yellowstonii	Thermodesulfobivrio yellowstonii DSM 11347
195	clique	649990004	Streptococcus cristatus	Streptococcus cristatus ATCC 51100
195	clique	2534681983	Streptococcus cristatus	Streptococcus cristatus SK231
196	clique	2521172658	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE14
196	clique	2519899646	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE6
197	clique	649989997	Selenomonas sp.	Selenomonas sp. oral taxon 137 F0430
197	clique	2531839273	Selenomonas sp.	Selenomonas sp. FOBR9
198	clique-group	2522125078	Bacillus sp.	Bacillus sp. 278922_107
198	clique-group	2551306105	Bacillus sp.	Bacillus sp. Aph1
198	clique-group	2511231161	Bacillus megaterium	Bacillus megaterium WSH-002
199	clique	2521172646	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:19
199	clique	2521172642	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:110
199	clique	2511231006	Pseudomonas sp.	Pseudomonas sp. GM17
200	clique	2546826730	Thermacetogenium phaeum	Thermacetogenium phaeum DSM 12270
200	clique	2521172702	Thermacetogenium phaeum	Thermacetogenium phaeum PB, DSM 12270
201	clique	649633070	Mycobacterium gilvum	Mycobacterium gilvum Spyr1
201	clique	640427122	Mycobacterium gilvum	Mycobacterium gilvum PYR-GCK
202	clique	2508501113	Paracoccus pantotrophus	Paracoccus pantotrophus J40
202	clique	2508501030	Paracoccus pantotrophus	Paracoccus pantotrophus J46
203	clique	2512047053	Alistipes sp.	Alistipes sp. HGB5
203	clique	2509601035	Alistipes finegoldii	Alistipes finegoldii AHN 2437, DSM 17242
204	clique	2515154136	Salinispora pacifica	Salinispora pacifica CNT150
204	clique	2517434008	Salinispora pacifica	Salinispora pacifica DSM 45549
204	clique	2524614807	Salinispora pacifica	Salinispora pacifica CNS237
205	clique	2509276033	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii WSM2012
205	clique	2510065076	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii CB782
206	clique	2507262036	Arthrospira platensis	Arthrospira platensis C1 (Draft2 circular genome)
206	clique	648276619	unclassified	Arthrospira sp. PCC 8005
206	clique	642979357	Arthrospira maxima	Arthrospira maxima CS-328
207	clique	2524614690	Butyrivibrio sp.	Butyrivibrio sp. AD3002
207	clique	2524614719	Butyrivibrio sp.	Butyrivibrio sp. WCD2001
208	clique	2545824690	Ochrobactrum intermedium	Ochrobactrum intermedium M86
208	clique	645058765	Ochrobactrum intermedium	Ochrobactrum intermedium LMG 3301
209	clique	651053073	Streptococcus salivarius	Streptococcus salivarius 57.1
209	clique	650716092	Streptococcus salivarius	Streptococcus salivarius CCHSS3
210	clique	2522125172	Thioalkalivibrio sp.	Thioalkalivibrio sp. AL21
210	clique	2522125171	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ21
210	clique	2522125169	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ20
211	clique-group	643692028	Mycobacterium bovis	Mycobacterium bovis BCG Tokyo 172
211	clique-group	2554235292	Mycobacterium sp.	Mycobacterium tuberculosis PanR0405
211	clique-group	2545824630	Mycobacterium tuberculosis	Mycobacterium tuberculosis EAIS/NITR206
211	clique-group	2511231130	Mycobacterium tuberculosis	Mycobacterium tuberculosis CTRI-2
211	clique-group	2547132221	Mycobacterium tuberculosis	Mycobacterium tuberculosis CTRI-4
211	clique-group	2540341073	Mycobacterium canettii	Mycobacterium canettii CIPT 140070010

211	clique-group	648276704	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu012
211	clique-group	2554235211	Mycobacterium tuberculosis	Mycobacterium tuberculosis PanR0208
211	clique-group	2547132085	Mycobacterium bovis	Mycobacterium bovis BCG-Denmark TMC 1010, ATCC 35733
211	clique-group	2547132259	Mycobacterium tuberculosis	Mycobacterium tuberculosis BTB05-552
211	clique-group	2554235307	Mycobacterium sp.	Mycobacterium tuberculosis PanR0409
211	clique-group	2541047045	Mycobacterium canettii	Mycobacterium canettii CIPT 140070008
211	clique-group	651053044	Mycobacterium tuberculosis	Mycobacterium tuberculosis CCDC5180
211	clique-group	2554235253	Mycobacterium sp.	Mycobacterium tuberculosis PanR0605
211	clique-group	637000172	Mycobacterium tuberculosis	Mycobacterium tuberculosis CDC1551
211	clique-group	2554235103	Mycobacterium tuberculosis	Mycobacterium tuberculosis EAI/OSDD271
211	clique-group	2554235310	Mycobacterium sp.	Mycobacterium tuberculosis PanR0401
211	clique-group	2548876690	Mycobacterium tuberculosis	Mycobacterium tuberculosis OSDD504
211	clique-group	2554235213	Mycobacterium tuberculosis	Mycobacterium tuberculosis PanR0207
211	clique-group	642979310	Mycobacterium tuberculosis	Mycobacterium tuberculosis 94_M4241A
211	clique-group	650716059	Mycobacterium africanum	Mycobacterium africanum GM041182
211	clique-group	2554235294	Mycobacterium sp.	Mycobacterium tuberculosis PanR0802
211	clique-group	640427123	Mycobacterium tuberculosis	Mycobacterium tuberculosis F11 (EXPEC)
211	clique-group	2554235250	Mycobacterium sp.	Mycobacterium tuberculosis PanR0316
211	clique-group	2554235263	Mycobacterium sp.	Mycobacterium tuberculosis PanR0902
211	clique-group	2547132198	Mycobacterium tuberculosis	Mycobacterium tuberculosis W-148
211	clique-group	648276702	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu010
211	clique-group	2554235238	Mycobacterium sp.	Mycobacterium tuberculosis PanR0304
211	clique-group	641736240	Mycobacterium tuberculosis	Mycobacterium tuberculosis H37Ra
211	clique-group	2554235309	Mycobacterium sp.	Mycobacterium tuberculosis PanR1005
211	clique-group	2554235264	Mycobacterium sp.	Mycobacterium tuberculosis PanR0707
211	clique-group	2554235247	Mycobacterium sp.	Mycobacterium tuberculosis PanR0603
211	clique-group	2554235209	Mycobacterium tuberculosis	Mycobacterium tuberculosis PanR0206
211	clique-group	2554235279	Mycobacterium sp.	Mycobacterium tuberculosis PanR1006
211	clique-group	2547132238	Mycobacterium tuberculosis	Mycobacterium tuberculosis R1207
211	clique-group	647000281	Mycobacterium tuberculosis	Mycobacterium tuberculosis KZN V2475
211	clique-group	2512564056	Mycobacterium tuberculosis	Mycobacterium tuberculosis UT205
211	clique-group	648276693	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu001
211	clique-group	2537561546	Mycobacterium tuberculosis	Mycobacterium tuberculosis CDC1551A
211	clique-group	2554235214	Mycobacterium tuberculosis	Mycobacterium tuberculosis PanR0209
211	clique-group	648276701	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu009
211	clique-group	642979311	Mycobacterium tuberculosis	Mycobacterium tuberculosis T92
211	clique-group	2547132087	Mycobacterium bovis	Mycobacterium bovis BCG-Russia TMC 1022 , ATCC 35740
211	clique-group	2554235244	Mycobacterium sp.	Mycobacterium tuberculosis PanR0306
211	clique-group	2547132240	Mycobacterium tuberculosis	Mycobacterium tuberculosis HN878
211	clique-group	2526164708	Mycobacterium tuberculosis	Mycobacterium tuberculosis H37Rv
211	clique-group	2554235265	Mycobacterium sp.	Mycobacterium tuberculosis PanR0804
211	clique-group	2513237185	Mycobacterium tuberculosis	Mycobacterium tuberculosis RGTB423
211	clique-group	2554235298	Mycobacterium sp.	Mycobacterium tuberculosis PanR0403
211	clique-group	642979363	Mycobacterium tuberculosis	Mycobacterium tuberculosis EAS054
211	clique-group	2554235243	Mycobacterium sp.	Mycobacterium tuberculosis PanR0305
211	clique-group	2554235308	Mycobacterium sp.	Mycobacterium tuberculosis PanR0412
211	clique-group	2554235270	Mycobacterium sp.	Mycobacterium tuberculosis PanR0611
211	clique-group	2554235301	Mycobacterium sp.	Mycobacterium tuberculosis PanR0404
211	clique-group	648276696	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu004
211	clique-group	645058721	Mycobacterium tuberculosis	Mycobacterium tuberculosis 98-R604 INH-RIF-EM
211	clique-group	2554235259	Mycobacterium sp.	Mycobacterium tuberculosis PanR0803
211	clique-group	2554235268	Mycobacterium sp.	Mycobacterium tuberculosis PanR0609
211	clique-group	2545824626	Mycobacterium tuberculosis	Mycobacterium tuberculosis Haarlem3/NITR202
211	clique-group	2554235277	Mycobacterium sp.	Mycobacterium tuberculosis PanR0904
211	clique-group	2551306486	Mycobacterium tuberculosis	Mycobacterium tuberculosis UM 1072388579
211	clique-group	2548876689	Mycobacterium tuberculosis	Mycobacterium tuberculosis OSDD071
211	clique-group	2554235254	Mycobacterium sp.	Mycobacterium tuberculosis PanR0313
211	clique-group	2554235267	Mycobacterium sp.	Mycobacterium tuberculosis PanR0703
211	clique-group	644736391	Mycobacterium tuberculosis	Mycobacterium tuberculosis KZN 1435 (MDR)
211	clique-group	2554235248	Mycobacterium sp.	Mycobacterium tuberculosis PanR0601
211	clique-group	648276698	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu006
211	clique-group	2554235241	Mycobacterium sp.	Mycobacterium tuberculosis PanR0307
211	clique-group	2554235305	Mycobacterium sp.	Mycobacterium tuberculosis PanR0201
211	clique-group	2554235261	Mycobacterium sp.	Mycobacterium tuberculosis PanR0903
211	clique-group	2554235257	Mycobacterium sp.	Mycobacterium tuberculosis PanR0606
211	clique-group	2541047047	Mycobacterium canettii	Mycobacterium canettii CIPT 140060008
211	clique-group	2554235249	Mycobacterium sp.	Mycobacterium tuberculosis PanR0604
211	clique-group	648276692	Mycobacterium tuberculosis	Mycobacterium tuberculosis KZN R506
211	clique-group	2554235306	Mycobacterium sp.	Mycobacterium tuberculosis PanR0410
211	clique-group	2554235252	Mycobacterium sp.	Mycobacterium tuberculosis PanR0602
211	clique-group	2554235274	Mycobacterium sp.	Mycobacterium tuberculosis PanR0909
211	clique-group	637000173	Mycobacterium tuberculosis	Mycobacterium tuberculosis H37Rv
211	clique-group	647000280	Mycobacterium tuberculosis	Mycobacterium tuberculosis KZN 4207
211	clique-group	2554235239	Mycobacterium sp.	Mycobacterium tuberculosis PanR0301
211	clique-group	2547132260	Mycobacterium tuberculosis	Mycobacterium tuberculosis BTB05-559
211	clique-group	2554235011	Mycobacterium tuberculosis	Mycobacterium tuberculosis
211	clique-group	2554235262	Mycobacterium sp.	Mycobacterium tuberculosis PanR0801
211	clique-group	650716060	Mycobacterium canettii	Mycobacterium canettii CIPT 140010059
211	clique-group	641736194	Mycobacterium tuberculosis	Mycobacterium tuberculosis Haarlem
211	clique-group	2545824696	Mycobacterium tuberculosis	Mycobacterium tuberculosis GuangZ0019
211	clique-group	2547132084	Mycobacterium bovis	Mycobacterium bovis BCG China
211	clique-group	2554235293	Mycobacterium sp.	Mycobacterium tuberculosis PanR0411

211	clique-group	2540341098	Mycobacterium tuberculosis	Mycobacterium tuberculosis Erdman, ATCC 35801
211	clique-group	2554235210	Mycobacterium tuberculosis	Mycobacterium tuberculosis PanR0203
211	clique-group	2554235272	Mycobacterium sp.	Mycobacterium tuberculosis PanR0908
211	clique-group	2511231152	Mycobacterium bovis	Mycobacterium bovis BCG Mexico
211	clique-group	2545824629	Mycobacterium tuberculosis	Mycobacterium tuberculosis CAS/NITR204
211	clique-group	2547132258	Mycobacterium tuberculosis	Mycobacterium tuberculosis S96-129
211	clique-group	640427124	Mycobacterium tuberculosis	Mycobacterium tuberculosis H37Ra
211	clique-group	648276703	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu011
211	clique-group	651053043	Mycobacterium tuberculosis	Mycobacterium tuberculosis CCDC5079
211	clique-group	645058861	Mycobacterium tuberculosis	Mycobacterium tuberculosis KZN 605 (XDR)
211	clique-group	2554235237	Mycobacterium sp.	Mycobacterium tuberculosis PanR0308
211	clique-group	648276694	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu002
211	clique-group	2511231070	Mycobacterium tuberculosis	Mycobacterium tuberculosis KZN 4207 (DS)
211	clique-group	2554235246	Mycobacterium sp.	Mycobacterium tuberculosis PanR0315
211	clique-group	2540341164	Mycobacterium bovis	Mycobacterium bovis BCG Korea 1168P
211	clique-group	2547132239	Mycobacterium tuberculosis	Mycobacterium tuberculosis X122
211	clique-group	2554235251	Mycobacterium sp.	Mycobacterium tuberculosis PanR0501
211	clique-group	2551306109	Mycobacterium tuberculosis	Mycobacterium tuberculosis NA-A0009
211	clique-group	645951826	Mycobacterium tuberculosis	Mycobacterium tuberculosis CPHL_A
211	clique-group	2541047993	Mycobacterium tuberculosis	Mycobacterium tuberculosis FJ05194
211	clique-group	2554235295	Mycobacterium sp.	Mycobacterium tuberculosis PanR0704
211	clique-group	648276700	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu008
211	clique-group	2554235430	Mycobacterium sp.	Mycobacterium tuberculosis EA15
211	clique-group	2554235208	Mycobacterium tuberculosis	Mycobacterium tuberculosis PanR0205
211	clique-group	2554235300	Mycobacterium sp.	Mycobacterium tuberculosis PanR0402
211	clique-group	2540341146	Mycobacterium tuberculosis	Mycobacterium tuberculosis
211	clique-group	645951854	Mycobacterium tuberculosis	Mycobacterium tuberculosis K85
211	clique-group	2554235242	Mycobacterium sp.	Mycobacterium tuberculosis PanR0309
211	clique-group	2554235271	Mycobacterium sp.	Mycobacterium tuberculosis PanR0702
211	clique-group	2554235258	Mycobacterium sp.	Mycobacterium tuberculosis PanR0805
211	clique-group	645951864	Mycobacterium tuberculosis	Mycobacterium tuberculosis T46
211	clique-group	2554235278	Mycobacterium sp.	Mycobacterium tuberculosis PanR0906
211	clique-group	642979309	Mycobacterium tuberculosis	Mycobacterium tuberculosis 02_1987
211	clique-group	2554235266	Mycobacterium sp.	Mycobacterium tuberculosis PanR0610
211	clique-group	2554235299	Mycobacterium sp.	Mycobacterium tuberculosis PanR0407
211	clique-group	2547132086	Mycobacterium bovis	Mycobacterium bovis BCG-Tice TMC 1028, ATCC 35743
211	clique-group	648276695	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu003
211	clique-group	2551306118	Mycobacterium tuberculosis	Mycobacterium tuberculosis NA-A0008
211	clique-group	2554235245	Mycobacterium sp.	Mycobacterium tuberculosis PanR0314
211	clique-group	2554235280	Mycobacterium sp.	Mycobacterium tuberculosis PanR0907
211	clique-group	2545824691	Mycobacterium orygis	Mycobacterium orygis 112400015
211	clique-group	2554235240	Mycobacterium sp.	Mycobacterium tuberculosis PanR0311
211	clique-group	2554235276	Mycobacterium sp.	Mycobacterium tuberculosis PanR1101
211	clique-group	639633040	Mycobacterium bovis	Mycobacterium bovis BCG Pasteur 1173P2
211	clique-group	637000169	Mycobacterium bovis	Mycobacterium bovis AF2122/97
211	clique-group	648276699	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu007
211	clique-group	2554235302	Mycobacterium sp.	Mycobacterium tuberculosis PanR0317
211	clique-group	642979364	Mycobacterium tuberculosis	Mycobacterium tuberculosis T85
211	clique-group	647000279	Mycobacterium tuberculosis	Mycobacterium tuberculosis 210
211	clique-group	2545824625	Mycobacterium tuberculosis	Mycobacterium tuberculosis Beijing/NITR203
211	clique-group	2547132039	Mycobacterium tuberculosis	Mycobacterium tuberculosis H37RvCO
211	clique-group	2554235269	Mycobacterium sp.	Mycobacterium tuberculosis PanR0607
211	clique-group	2554235260	Mycobacterium sp.	Mycobacterium tuberculosis PanR0708
211	clique-group	2541047046	Mycobacterium canettii	Mycobacterium canettii CIPT 140070017
211	clique-group	2548876691	Mycobacterium tuberculosis	Mycobacterium tuberculosis OSD518
211	clique-group	2554235256	Mycobacterium sp.	Mycobacterium tuberculosis PanR0505
211	clique-group	642979350	Mycobacterium tuberculosis	Mycobacterium tuberculosis GM 1503
211	clique-group	2548876688	Mycobacterium tuberculosis	Mycobacterium tuberculosis NCGM2209
211	clique-group	2554235275	Mycobacterium sp.	Mycobacterium tuberculosis PanR1007
211	clique-group	648276697	Mycobacterium tuberculosis	Mycobacterium tuberculosis SUMu005
211	clique-group	2554235255	Mycobacterium sp.	Mycobacterium tuberculosis PanR0503
211	clique-group	642979349	Mycobacterium tuberculosis	Mycobacterium tuberculosis T17
211	clique-group	638341130	Mycobacterium tuberculosis	Mycobacterium tuberculosis C
211	clique-group	2512564073	Mycobacterium tuberculosis	Mycobacterium tuberculosis RGTB327
212	clique	642979334	Bacteroides eggerthii	Bacteroides eggerthii DSM 20697
212	clique	649989912	Bacteroides eggerthii	Bacteroides eggerthii 1_2_48FAA
213	clique	637000057	Candidatus Blochmannia pennsylvanicus	Candidatus Blochmannia pennsylvanicus BPEN
213	clique	2521172698	Candidatus Blochmannia chromaiodes	Candidatus Blochmannia chromaiodes 640
214	clique	647533188	Nitrosococcus oceani	Nitrosococcus oceani AFC27
214	clique	637000194	Nitrosococcus oceani	Nitrosococcus oceani C-107, ATCC 19707
215	clique	2521172728	Streptococcus pseudoporcinus	Streptococcus pseudoporcinus LQ940-04T
215	clique	649990013	Streptococcus pseudoporcinus	Streptococcus pseudoporcinus SPIN 20026
216	clique	2510461022	Natronobacterium gregoryi	Natronobacterium gregoryi SP2, DSM 3393
216	clique	2529293212	Natronobacterium gregoryi	Natronobacterium gregoryi SP2
217	clique	2524614634	Tetragenococcus muriaticus	Tetragenococcus muriaticus DSM 15685
217	clique	2522125159	Tetragenococcus muriaticus	Tetragenococcus muriaticus 3MR10-3 (draft assembly with Newbler)
218	clique	2540341019	Staphylococcus epidermidis	Staphylococcus epidermidis VCU121
218	clique	2547132265	Staphylococcus epidermidis	Staphylococcus epidermidis A487
218	clique	2540341088	Staphylococcus warneri	Staphylococcus warneri SG1
219	clique	2545824527	Mycobacterium smegmatis	Mycobacterium smegmatis MKD8
219	clique	639633041	Mycobacterium smegmatis	Mycobacterium smegmatis MC2 155
219	clique	2518645537	Mycobacterium smegmatis	Mycobacterium smegmatis MC2 155

220	clique	641736184	Eubacterium siraeum	Eubacterium siraeum DSM 15702
220	clique	2519899684	Eubacterium siraeum	Eubacterium siraeum DSM 15702
220	clique	650377939	Eubacterium siraeum	Eubacterium siraeum V10Sc8a
220	clique	650377938	Eubacterium siraeum	Eubacterium siraeum 70/3
221	clique	2524614855	Acidaminococcus intestini	Acidaminococcus intestini DSM 21505
221	clique	2541047012	Acidaminococcus sp.	Acidaminococcus sp. HPA0509
221	clique	2511231106	Acidaminococcus intestini	Acidaminococcus intestini RyC-MR95
221	clique	643886056	Acidaminococcus sp.	Acidaminococcus sp. D21
222	clique	651324030	Enterococcus casseliflavus	Enterococcus casseliflavus ATCC 12755
222	clique	2541047579	Enterococcus faecium	Enterococcus faecium 13.SD.W.09
222	clique	2541047582	Enterococcus faecalis	Enterococcus faecalis 06-MB-DW-09
222	clique	2519899581	Enterococcus sp.	Enterococcus sp. C1
223	clique	637000339	Wolbachia endosymbiont	Wolbachia endosymbiont of Drosophila melanogaster
223	clique	2540341171	Wolbachia sp.	Wolbachia endosymbiont of Drosophila simulans wHa
223	clique	643692055	Wolbachia sp.	Wolbachia sp. wRi
224	clique	648276634	Corynebacterium matruchotii	Corynebacterium matruchotii ATCC 14266
224	clique	643886207	Corynebacterium matruchotii	Corynebacterium matruchotii ATCC 33806
225	clique	2529293077	Slackia sp.	Slackia sp. CM382
225	clique	645951837	Slackia exigua	Slackia exigua ATCC 700122
226	clique	651324009	Anaerococcus hydrogenalis	Anaerococcus hydrogenalis ACS-025-V-Sch4
226	clique	642979323	Anaerococcus hydrogenalis	Anaerococcus hydrogenalis DSM 7454
227	clique	2512564043	Rickettsia philipii	Rickettsia philipii 364D
227	clique	2511231061	Rickettsia slovaca	Rickettsia slovaca 13-B
227	clique	2548876919	Rickettsia conorii	Rickettsia conorii indica ITTR
227	clique	640753046	Rickettsia rickettsii	Rickettsia rickettsii Sheila Smith
227	clique	2512564029	Rickettsia massiliae	Rickettsia massiliae AZT80
227	clique	2512564034	Rickettsia rickettsii	Rickettsia rickettsii Brazil
227	clique	2512564067	Rickettsia montanensis	Rickettsia montanensis OSU 85-930
227	clique	2512564072	Candidatus Rickettsia amblyommii	Candidatus Rickettsia amblyommii GAT-30V
227	clique	2548877054	Rickettsia honei	Rickettsia honei RB
227	clique	2512564062	Rickettsia parkeri	Rickettsia parkeri Portsmouth
227	clique	638341178	Rickettsia sibirica	Rickettsia sibirica 246
227	clique	2512564048	Rickettsia rickettsii	Rickettsia rickettsii Hino
227	clique	2548876780	Rickettsia sibirica	Rickettsia sibirica BJ-90
227	clique	2512564064	Rickettsia rhipicephali	Rickettsia rhipicephali 3-7-female-CWPP
227	clique	641228503	Rickettsia massiliae	Rickettsia massiliae MTU5
227	clique	644736402	Rickettsia africana	Rickettsia africana ESF-5
227	clique	2511231062	Rickettsia japonica	Rickettsia japonica YH
227	clique	650716082	Rickettsia heilongjiangensis	Rickettsia heilongjiangensis 054
227	clique	2512564049	Rickettsia rickettsii	Rickettsia rickettsii Colombia
227	clique	2512564040	Rickettsia rickettsii	Rickettsia rickettsii Hauke
227	clique	2512564047	Rickettsia rickettsii	Rickettsia rickettsii Hlp#2
227	clique	637000243	Rickettsia conorii	Rickettsia conorii Malish 7
227	clique	2512564061	Rickettsia slovaca	Rickettsia slovaca D-CWPP
227	clique	644736403	Rickettsia peacockii	Rickettsia peacockii Rustic
227	clique	2512564030	Rickettsia rickettsii	Rickettsia rickettsii Arizona
227	clique	641522647	Rickettsia rickettsii	Rickettsia rickettsii Iowa
228	clique	2228664006	Rhizobium sp.	Rhizobium sp. 57MFTsu3.2
228	clique	2510065092	Rhizobium sp.	Rhizobium sp. IBUN
228	clique	2517572096	Rhizobium sp.	Rhizobium sp. 42MFCr.1
229	clique	2547132071	Methanobrevibacter smithii	Methanobrevibacter smithii TS96C
229	clique	2547132055	Methanobrevibacter smithii	Methanobrevibacter smithii TS146B
229	clique	643886144	Methanobrevibacter smithii	Methanobrevibacter smithii DSM 2375
229	clique	2547132052	Methanobrevibacter smithii	Methanobrevibacter smithii TS145A
229	clique	640427121	Methanobrevibacter smithii	Methanobrevibacter smithii PS, ATCC 35061
229	clique	2547132057	Methanobrevibacter smithii	Methanobrevibacter smithii TS146D
229	clique	2547132054	Methanobrevibacter smithii	Methanobrevibacter smithii TS146A
229	clique	643886215	Methanobrevibacter smithii	Methanobrevibacter smithii F1, DSM 2374
229	clique	2547132053	Methanobrevibacter smithii	Methanobrevibacter smithii TS145B
230	clique	2545824679	Mycobacterium marinum	Mycobacterium marinum MB2
230	clique	2541047508	Mycobacterium marinum	Mycobacterium marinum Europe
230	clique	642555140	Mycobacterium ulcerans	Mycobacterium ulcerans Agy99
230	clique	641522642	Mycobacterium marinum	Mycobacterium marinum M, ATCC BAA-535
231	clique	2551306069	Vibrio splendidus	Vibrio splendidus 04072C148
231	clique	2551306073	Vibrio splendidus	Vibrio splendidus 1S-124
231	clique	2551306070	Vibrio splendidus	Vibrio splendidus 5S-101
231	clique	638341231	Vibrio splendidus	Vibrio splendidus 12B01
231	clique	2551306074	Vibrio splendidus	Vibrio splendidus FF-500
231	clique	2548876778	Vibrio splendidus	Vibrio splendidus 12F01
231	clique	2551306078	Vibrio splendidus	Vibrio splendidus FF-6
231	clique	2551306071	Vibrio splendidus	Vibrio splendidus 2F-90
231	clique	2551306064	Vibrio splendidus	Vibrio splendidus 1F-157
232	clique	2513237117	Propionibacterium acidipropionici	Propionibacterium acidipropionici DSM 4900
232	clique	2521172602	Propionibacterium acidipropionici	Propionibacterium acidipropionici ATCC 4875
233	clique	2531839536	Acinetobacter sp.	Acinetobacter sp. NBRC 100985
233	clique	2551306104	Acinetobacter venetianus	Acinetobacter venetianus VE-C3
233	clique	2551306081	Acinetobacter venetianus	Acinetobacter venetianus RAG-1
234	clique	2517572098	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE25
234	clique	2523533598	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE17
234	clique	2517572115	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE28
234	clique	2517572118	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE31
234	clique	2519103016	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE22

234	clique	2521172657	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE12
234	clique	2521172659	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE16
234	clique	2517572119	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE27
234	clique	2519899687	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE21
234	clique	2517572116	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE30
234	clique	2517572117	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE9
235	clique	644736410	Teredinibacter turnerae	Teredinibacter turnerae T7901
235	clique	2519899652	Teredinibacter turnerae	Teredinibacter turnerae T8402
235	clique	2510917000	Teredinibacter turnerae	Teredinibacter turnerae T8415
235	clique	2513237135	Teredinibacter turnerae	Teredinibacter turnerae T8602
236	clique	2515154137	Salinispora arenicola	Salinispora arenicola CNX482
236	clique	641228504	Salinispora arenicola	Salinispora arenicola CNS-205
236	clique	2518285559	Salinispora arenicola	Salinispora arenicola CNY256
236	clique	2515154186	Salinispora arenicola	Salinispora arenicola CNT798
236	clique	2517572233	Salinispora arenicola	Salinispora arenicola CNT859
236	clique	2519103195	Salinispora arenicola	Salinispora arenicola CNY234
236	clique	2517572210	Salinispora arenicola	Salinispora arenicola CNB458
236	clique	2528311033	Salinispora arenicola	Salinispora arenicola CNR425
236	clique	2518285553	Salinispora arenicola	Salinispora arenicola CNS051
236	clique	2518285550	Salinispora pacifica	Salinispora pacifica CNT849
236	clique	2517572153	Salinispora arenicola	Salinispora arenicola CNY011
236	clique	2515154188	Salinispora arenicola	Salinispora arenicola CNX508
236	clique	2515154125	Salinispora arenicola	Salinispora arenicola CNH964
236	clique	2518285560	Salinispora arenicola	Salinispora arenicola CNY260
236	clique	2515154088	Salinispora arenicola	Salinispora arenicola CNT800
236	clique	2521172655	Salinispora arenicola	Salinispora arenicola CNY282
236	clique	2515154203	Salinispora arenicola	Salinispora arenicola CNR921
236	clique	2518285552	Salinispora arenicola	Salinispora arenicola CNP193
236	clique	2515154181	Salinispora arenicola	Salinispora arenicola CNH646
236	clique	2524023246	Salinispora arenicola	Salinispora arenicola CNH963
236	clique	2526164509	Salinispora arenicola	Salinispora arenicola CNT799
236	clique	2515154093	Salinispora arenicola	Salinispora arenicola CNB527
236	clique	2518285554	Salinispora arenicola	Salinispora arenicola CNS744
236	clique	2515154183	Salinispora arenicola	Salinispora arenicola CNH905
236	clique	2517572137	Salinispora arenicola	Salinispora arenicola CNT005
236	clique	2518285551	Salinispora arenicola	Salinispora arenicola CNP105
236	clique	2515154180	Salinispora arenicola	Salinispora arenicola CNO748
236	clique	2515154127	Salinispora arenicola	Salinispora arenicola CNT857
236	clique	2515154135	Salinispora arenicola	Salinispora arenicola CNT850
236	clique	2517572154	Salinispora arenicola	Salinispora arenicola CNY280
236	clique	2515154193	Salinispora arenicola	Salinispora arenicola CNH941
236	clique	2518285558	Salinispora arenicola	Salinispora arenicola CNY231
236	clique	2519103193	Salinispora arenicola	Salinispora arenicola CNH962
236	clique	2519103194	Salinispora arenicola	Salinispora arenicola CNR107
236	clique	2524614529	Salinispora arenicola	Salinispora arenicola CNS299
236	clique	2524614515	Salinispora arenicola	Salinispora arenicola CNS243
236	clique	2516143022	Salinispora arenicola	Salinispora arenicola CNS-991, DSM 45545
236	clique	2515154187	Salinispora arenicola	Salinispora arenicola CNX891
236	clique	2519103192	Salinispora arenicola	Salinispora arenicola CNH877
236	clique	2517572163	Salinispora pacifica	Salinispora pacifica CNY237
236	clique	2517572152	Salinispora arenicola	Salinispora arenicola CNX814
236	clique	2518285555	Salinispora arenicola	Salinispora arenicola CNX481
236	clique	2519103185	Salinispora arenicola	Salinispora arenicola CNS673
237	clique	647000328	Streptomyces sp.	Streptomyces griseus XyelbKG-1 1
237	clique	641522653	Streptomyces griseus	Streptomyces griseus griseus NBRC 13350
238	clique	643348569	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii WSM2304
238	clique	2509276021	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii WSM597
239	clique	649990002	Streptococcus anginosus	Streptococcus anginosus F0211
239	clique	2531839545	Streptococcus anginosus	Streptococcus anginosus SK1138
240	clique	2537561801	Ralstonia solanacearum	Ralstonia solanacearum K60
240	clique	2511231074	Ralstonia solanacearum	Ralstonia solanacearum CFBP2957
241	clique-group	2534682134	Vibrio cholerae	Vibrio cholerae HC-57A1
241	clique-group	647000333	Vibrio cholerae	Vibrio cholerae CT 5369-93
241	clique-group	2537561835	Vibrio cholerae	Vibrio cholerae CP1032(5)
241	clique-group	2537561653	Vibrio cholerae	Vibrio cholerae O1 EC-0012
241	clique-group	2534682217	Vibrio cholerae	Vibrio cholerae HC-80A1
241	clique-group	2531839194	Vibrio cholerae	Vibrio cholerae HC-61A1
241	clique-group	640427151	Vibrio cholerae	Vibrio cholerae O395
241	clique-group	640963006	Vibrio cholerae	Vibrio cholerae NCTC 8457
241	clique-group	2529293205	Vibrio cholerae	Vibrio cholerae HC-64A1
241	clique-group	645058808	Vibrio cholerae	Vibrio cholerae B33
241	clique-group	2531839293	Vibrio cholerae	Vibrio cholerae O1 EM-1546
241	clique-group	2529292823	Vibrio cholerae	Vibrio cholerae HC-02C1
241	clique-group	2537561514	Vibrio cholerae	Vibrio cholerae CP1048(21)
241	clique-group	2534682132	Vibrio cholerae	Vibrio cholerae HC-52A2
241	clique-group	647000334	Vibrio cholerae	Vibrio cholerae INDRE 91/1
241	clique-group	2531839208	Vibrio cholerae	Vibrio cholerae O1 116059
241	clique-group	2529293207	Vibrio cholerae	Vibrio cholerae HC-67A1
241	clique-group	2511231085	Vibrio cholerae	Vibrio cholerae serotype O1 2010EL-1786
241	clique-group	2537561650	Vibrio cholerae	Vibrio cholerae O1 NHCC-006C
241	clique-group	2537562148	Vibrio cholerae	Vibrio cholerae HC-81A2
241	clique-group	2537561657	Vibrio cholerae	Vibrio cholerae O1 NHCC-010F

241	clique-group	2534682219	Vibrio cholerae	Vibrio cholerae CP1030(3)
241	clique-group	2521172727	Vibrio cholerae	Vibrio cholerae HE45
241	clique-group	2526164648	Vibrio cholerae	Vibrio cholerae CP1046(19)
241	clique-group	2531839023	Vibrio cholerae	Vibrio cholerae HE-44C1
241	clique-group	2531839019	Vibrio cholerae	Vibrio cholerae HE-16
241	clique-group	2545555863	Vibrio albensis	Vibrio albensis ATCC 14547
241	clique-group	645058746	Vibrio cholerae	Vibrio cholerae CIRS 101
241	clique-group	2534682130	Vibrio cholerae	Vibrio cholerae HC-55B2
241	clique-group	638341228	Vibrio cholerae	Vibrio cholerae V52
241	clique-group	2521172725	Vibrio cholerae	Vibrio cholerae HC-61A2
241	clique-group	2547132186	Vibrio cholerae	Vibrio cholerae H1
241	clique-group	2554235151	Vibrio cholerae	Vibrio cholerae CP1111
241	clique-group	2531839196	Vibrio cholerae	Vibrio cholerae HC-46A1
241	clique-group	2547132113	Vibrio cholerae	Vibrio cholerae O1 Amazonia
241	clique-group	2537561624	Vibrio cholerae	Vibrio cholerae HC-7A1
241	clique-group	640963004	Vibrio cholerae	Vibrio cholerae MZO-2
241	clique-group	2531839017	Vibrio cholerae	Vibrio cholerae HE-40
241	clique-group	2554235152	Vibrio cholerae	Vibrio cholerae CP1110
241	clique-group	2534682213	Vibrio cholerae	Vibrio cholerae CP1037(10)
241	clique-group	651053078	Vibrio cholerae	Vibrio cholerae LMA3894-4
241	clique-group	2529293209	Vibrio cholerae	Vibrio cholerae HC-70A1
241	clique-group	2554235147	Vibrio cholerae	Vibrio cholerae CP1115
241	clique-group	2537561625	Vibrio cholerae	Vibrio cholerae HC-1A2
241	clique-group	640963003	Vibrio cholerae	Vibrio cholerae 623-39
241	clique-group	2529292826	Vibrio cholerae	Vibrio cholerae HC-19A1
241	clique-group	640196212	Vibrio cholerae	Vibrio cholerae 2740-80
241	clique-group	2534681754	Vibrio cholerae	Vibrio cholerae HC-37A1
241	clique-group	645058804	Vibrio cholerae	Vibrio cholerae bv albensis VL426
241	clique-group	2526164676	Vibrio cholerae	Vibrio cholerae CP1038(11)
241	clique-group	2531839294	Vibrio cholerae	Vibrio cholerae O1 EM-1536
241	clique-group	638341226	Vibrio cholerae	Vibrio cholerae RC385
241	clique-group	2534682221	Vibrio cholerae	Vibrio cholerae CP1050
241	clique-group	2534681748	Vibrio cholerae	Vibrio cholerae HC-50A1
241	clique-group	2534682129	Vibrio cholerae	Vibrio cholerae HC-57A2
241	clique-group	2551306303	Vibrio cholerae	Vibrio cholerae VC35
241	clique-group	2526164620	Vibrio cholerae	Vibrio cholerae HC-43B1
241	clique-group	2531839290	Vibrio cholerae	Vibrio cholerae O1 Nep-21106
241	clique-group	2534682215	Vibrio cholerae	Vibrio cholerae CP1044(17)
241	clique-group	2537561838	Vibrio cholerae	Vibrio cholerae CP1041(14)
241	clique-group	2537561654	Vibrio cholerae	Vibrio cholerae O1 EC-0027
241	clique-group	2547132283	Vibrio cholerae	Vibrio cholerae serotype O1 2010EL-1792
241	clique-group	2537561623	Vibrio cholerae	Vibrio cholerae HCUF01
241	clique-group	2529292818	Vibrio cholerae	Vibrio cholerae HC-32A1
241	clique-group	2534682136	Vibrio cholerae	Vibrio cholerae HC-56A1
241	clique-group	2531839296	Vibrio cholerae	Vibrio cholerae O1 AG-8040
241	clique-group	643692054	Vibrio cholerae	Vibrio cholerae MJ-1236
241	clique-group	2531839210	Vibrio cholerae	Vibrio cholerae O1 116063
241	clique-group	2554235149	Vibrio cholerae	Vibrio cholerae CP1113
241	clique-group	2531839020	Vibrio cholerae	Vibrio cholerae HE-09
241	clique-group	2534681751	Vibrio cholerae	Vibrio cholerae HC-41A1
241	clique-group	2534681756	Vibrio cholerae	Vibrio cholerae HC-39A1
241	clique-group	640963021	Vibrio cholerae	Vibrio cholerae MZO-3
241	clique-group	640963020	Vibrio cholerae	Vibrio cholerae 1587
241	clique-group	2529292739	Vibrio cholerae	Vibrio cholerae HC-41B1
241	clique-group	2534682216	Vibrio cholerae	Vibrio cholerae HFU-02
241	clique-group	2534681842	Vibrio cholerae	Vibrio cholerae HC-78A1
241	clique-group	2531839547	Vibrio cholerae	Vibrio cholerae HC-72A2
241	clique-group	2512564028	Vibrio cholerae	Vibrio cholerae IEC224
241	clique-group	2531839292	Vibrio cholerae	Vibrio cholerae O1 EDC-020
241	clique-group	2537561621	Vibrio cholerae	Vibrio cholerae HC-49A2
241	clique-group	2534682128	Vibrio cholerae	Vibrio cholerae HC-59A1
241	clique-group	2534682133	Vibrio cholerae	Vibrio cholerae HC-50A2
241	clique-group	2521172722	Vibrio cholerae	Vibrio cholerae HE48
241	clique-group	2529293206	Vibrio cholerae	Vibrio cholerae HC-65A1
241	clique-group	2531839021	Vibrio cholerae	Vibrio cholerae HE-51A1
241	clique-group	2529292822	Vibrio cholerae	Vibrio cholerae HC-02A1
241	clique-group	2531839018	Vibrio cholerae	Vibrio cholerae HE-46
241	clique-group	2529293204	Vibrio cholerae	Vibrio cholerae HC-59B1
241	clique-group	2529292819	Vibrio cholerae	Vibrio cholerae HC-33A2
241	clique-group	2551306319	Vibrio cholerae	Vibrio cholerae VC4370
241	clique-group	2534682218	Vibrio cholerae	Vibrio cholerae CP1035
241	clique-group	2537561651	Vibrio cholerae	Vibrio cholerae O1 NHCC-008D
241	clique-group	2531839022	Vibrio cholerae	Vibrio cholerae HE-60A1
241	clique-group	2526164616	Vibrio cholerae	Vibrio cholerae HE39
241	clique-group	2537561505	Vibrio cholerae	Vibrio cholerae HC-20A2
241	clique-group	2537561652	Vibrio cholerae	Vibrio cholerae O1 EC-0051
241	clique-group	2537561658	Vibrio cholerae	Vibrio cholerae O1 87395
241	clique-group	638341224	Vibrio cholerae	Vibrio cholerae MO10
241	clique-group	2554235146	Vibrio cholerae	Vibrio cholerae CP1116
241	clique-group	2531839263	Vibrio cholerae	Vibrio cholerae CP1033(6)
241	clique-group	2534681753	Vibrio cholerae	Vibrio cholerae HC-38A1
241	clique-group	2521172724	Vibrio cholerae	Vibrio cholerae HE25

241	clique-group	2531839289	Vibrio cholerae	Vibrio cholerae O1 Nep-21113
241	clique-group	2526164677	Vibrio cholerae	Vibrio cholerae CP1042(15)
241	clique-group	2534681843	Vibrio cholerae	Vibrio cholerae HE-69A1
241	clique-group	2554235150	Vibrio cholerae	Vibrio cholerae CP1112
241	clique-group	645058741	Vibrio cholerae	Vibrio cholerae BX 330286
241	clique-group	638341227	Vibrio cholerae	Vibrio cholerae V51
241	clique-group	2529293210	Vibrio cholerae	Vibrio cholerae HC-71A1
241	clique-group	647000335	Vibrio cholerae	Vibrio cholerae RC27
241	clique-group	2531839197	Vibrio cholerae	Vibrio cholerae HC-43A1
241	clique-group	2534682212	Vibrio cholerae	Vibrio cholerae CP1040
241	clique-group	645058806	Vibrio cholerae	Vibrio cholerae RC9
241	clique-group	2534682131	Vibrio cholerae	Vibrio cholerae HC-55A1
241	clique-group	640963005	Vibrio cholerae	Vibrio cholerae B33
241	clique-group	2529293208	Vibrio cholerae	Vibrio cholerae HC-68A1
241	clique-group	2531839298	Vibrio cholerae	Vibrio cholerae O1 EM-1626
241	clique-group	2531839024	Vibrio cholerae	Vibrio cholerae HE-47A1
241	clique-group	2541047528	Vibrio cholerae	Vibrio cholerae 4260B
241	clique-group	2537561656	Vibrio cholerae	Vibrio cholerae O1 EC-0009
241	clique-group	2529292825	Vibrio cholerae	Vibrio cholerae HC-28A1
241	clique-group	2531839295	Vibrio cholerae	Vibrio cholerae O1 AG-7404
241	clique-group	2529292785	Vibrio cholerae	Vibrio cholerae PS15
241	clique-group	2529292824	Vibrio cholerae	Vibrio cholerae HC-22A1
241	clique-group	2551306327	Vibrio cholerae	Vibrio cholerae VC1761
241	clique-group	2534682220	Vibrio cholerae	Vibrio cholerae BJG-01
241	clique-group	637000333	Vibrio cholerae	Vibrio cholerae O1 bv El Tor, N16961
241	clique-group	2529292827	Vibrio cholerae	Vibrio cholerae HC-21A1
241	clique-group	2534681755	Vibrio cholerae	Vibrio cholerae HC-40A1
241	clique-group	2531839297	Vibrio cholerae	Vibrio cholerae O1 EM-1676A
241	clique-group	2537561619	Vibrio cholerae	Vibrio cholerae HC-23A1
241	clique-group	2506210025	Vibrio cholerae	Vibrio cholerae O1 bv. El Tor A1552
241	clique-group	2547132282	Vibrio cholerae	Vibrio cholerae serotype O1 2010EL-1798
241	clique-group	645058807	Vibrio cholerae	Vibrio cholerae TMA 21
241	clique-group	2554235153	Vibrio cholerae	Vibrio cholerae CP1117
241	clique-group	2534682214	Vibrio cholerae	Vibrio cholerae CP1047
241	clique-group	2537561655	Vibrio cholerae	Vibrio cholerae O1 EM-1727
241	clique-group	2534682137	Vibrio cholerae	Vibrio cholerae HC-55C2
241	clique-group	2531839025	Vibrio cholerae	Vibrio cholerae HE-62A1
241	clique-group	2502171160	Vibrio cholerae	Vibrio cholerae O1 Inaba G4222 (Draft chromosomes)
241	clique-group	645058798	Vibrio cholerae	Vibrio cholerae sv Inaba 12129(1)
241	clique-group	2537562149	Vibrio cholerae	Vibrio cholerae HC-17A2
241	clique-group	2534681749	Vibrio cholerae	Vibrio cholerae HC-48B2
241	clique-group	640963019	Vibrio cholerae	Vibrio cholerae MAK 757
241	clique-group	2534681752	Vibrio cholerae	Vibrio cholerae HC-48A1
241	clique-group	643692053	Vibrio cholerae	Vibrio cholerae M66-2
241	clique-group	2537561683	Vibrio cholerae	Vibrio cholerae O1 NHCC-004A
241	clique-group	2529293203	Vibrio cholerae	Vibrio cholerae HC-77A1
241	clique-group	645058805	Vibrio cholerae	Vibrio cholerae TM 11079-80
241	clique-group	2534682059	Vibrio cholerae	Vibrio cholerae HC-46B1
241	clique-group	2531839026	Vibrio cholerae	Vibrio cholerae HE-62B1
241	clique-group	2531839291	Vibrio cholerae	Vibrio cholerae O1 EDC-022
241	clique-group	2529292820	Vibrio cholerae	Vibrio cholerae HC-06A1
241	clique-group	647533244	Vibrio cholerae	Vibrio cholerae AM-19226
241	clique-group	2529292821	Vibrio cholerae	Vibrio cholerae HC-17A1
241	clique-group	2537561518	Vibrio cholerae	Vibrio cholerae HC-81A1
241	clique-group	2537561802	Vibrio cholerae	Vibrio cholerae O1 PCS-023
241	clique-group	2531839209	Vibrio cholerae	Vibrio cholerae O1 95412
241	clique-group	646862349	Vibrio cholerae	Vibrio cholerae O395
241	clique-group	2534682135	Vibrio cholerae	Vibrio cholerae HC-56A2
241	clique-group	2534681750	Vibrio cholerae	Vibrio cholerae HC-42A1
241	clique-group	2554235148	Vibrio cholerae	Vibrio cholerae CP1114
242	clique	2534682100	Streptococcus mutans	Streptococcus mutans ATCC 25175
242	clique	2548876558	Streptococcus mutans	Streptococcus mutans TCI-164
242	clique	2548876580	Streptococcus mutans	Streptococcus mutans TCI-278
242	clique	2534682098	Streptococcus mutans	Streptococcus mutans NCTC 11060
242	clique	646564575	Streptococcus mutans	Streptococcus mutans NN2025
242	clique	2548876564	Streptococcus mutans	Streptococcus mutans TCI-146
242	clique	2548876621	Streptococcus mutans	Streptococcus mutans TCI-75
242	clique	2548876578	Streptococcus mutans	Streptococcus mutans TCI-62
242	clique	2548876605	Streptococcus mutans	Streptococcus mutans TCI-268
242	clique	2548876601	Streptococcus mutans	Streptococcus mutans TCI-220
242	clique	2548876556	Streptococcus mutans	Streptococcus mutans TCI-148
242	clique	2548876559	Streptococcus mutans	Streptococcus mutans TCI-143
242	clique	2548876569	Streptococcus mutans	Streptococcus mutans TCI-201
242	clique	2548876585	Streptococcus mutans	Streptococcus mutans TCI-219
242	clique	2548876562	Streptococcus mutans	Streptococcus mutans TCI-196
242	clique	2548876572	Streptococcus mutans	Streptococcus mutans TCI-204
242	clique	2548876579	Streptococcus mutans	Streptococcus mutans TCI-224
242	clique	2534682102	Streptococcus mutans	Streptococcus mutans KK23
242	clique	2548876594	Streptococcus mutans	Streptococcus mutans TCI-82
242	clique	2548876543	Streptococcus mutans	Streptococcus mutans TCI-149
242	clique	2548876607	Streptococcus mutans	Streptococcus mutans TCI-85
242	clique	2548876592	Streptococcus mutans	Streptococcus mutans TCI-400

242	clique	2548876599	Streptococcus mutans	Streptococcus mutans TCI-234
242	clique	2548876538	Streptococcus mutans	Streptococcus mutans TCI-152
242	clique	2548876565	Streptococcus mutans	Streptococcus mutans TCI-120
242	clique	2548876616	Streptococcus mutans	Streptococcus mutans TCI-243
242	clique	2548876583	Streptococcus mutans	Streptococcus mutans TCI-239
242	clique	2548876573	Streptococcus mutans	Streptococcus mutans TCI-289
242	clique	2548876555	Streptococcus mutans	Streptococcus mutans TCI-202
242	clique	2548876549	Streptococcus mutans	Streptococcus mutans TCI-187
242	clique	2518645554	Streptococcus mutans	Streptococcus mutans GS-5
242	clique	2548876554	Streptococcus mutans	Streptococcus mutans TCI-109
242	clique	2548876613	Streptococcus mutans	Streptococcus mutans TCI-96
242	clique	2548876609	Streptococcus mutans	Streptococcus mutans TCI-256
242	clique	2548876541	Streptococcus mutans	Streptococcus mutans TCI-123
242	clique	2548876540	Streptococcus mutans	Streptococcus mutans TCI-101
242	clique	2548876614	Streptococcus mutans	Streptococcus mutans TCI-260
242	clique	2548876552	Streptococcus mutans	Streptococcus mutans TCI-212
242	clique	2548876576	Streptococcus mutans	Streptococcus mutans TCI-399
242	clique	2548876539	Streptococcus mutans	Streptococcus mutans TCI-138
242	clique	2548876611	Streptococcus mutans	Streptococcus mutans TCI-242
242	clique	2548876604	Streptococcus mutans	Streptococcus mutans TCI-223
242	clique	2548876598	Streptococcus mutans	Streptococcus mutans TCI-298
242	clique	2548876547	Streptococcus mutans	Streptococcus mutans TCI-177
242	clique	637000288	Streptococcus mutans	Streptococcus mutans UA159
242	clique	2548876620	Streptococcus mutans	Streptococcus mutans TCI-292
242	clique	2534682099	Streptococcus mutans	Streptococcus mutans AC4446
242	clique	2548876545	Streptococcus mutans	Streptococcus mutans TCI-154
242	clique	2548876544	Streptococcus mutans	Streptococcus mutans TCI-153
242	clique	2548876593	Streptococcus mutans	Streptococcus mutans TCI-279
242	clique	2548876550	Streptococcus mutans	Streptococcus mutans TCI-125
242	clique	2548876557	Streptococcus mutans	Streptococcus mutans TCI-151
242	clique	2548876575	Streptococcus mutans	Streptococcus mutans TCI-92
242	clique	2540341174	Streptococcus mutans	Streptococcus mutans LJ23
242	clique	2548876563	Streptococcus mutans	Streptococcus mutans TCI-145
242	clique	2548876567	Streptococcus mutans	Streptococcus mutans TCI-191
242	clique	2548876571	Streptococcus mutans	Streptococcus mutans TCI-173
242	clique	2548876560	Streptococcus mutans	Streptococcus mutans TCI-110
242	clique	2548876586	Streptococcus mutans	Streptococcus mutans TCI-264
242	clique	2548876600	Streptococcus mutans	Streptococcus mutans TCI-244
242	clique	2534682103	Streptococcus mutans	Streptococcus mutans SDC8
242	clique	2548876542	Streptococcus mutans	Streptococcus mutans TCI-116
242	clique	2534682101	Streptococcus mutans	Streptococcus mutans KK21
242	clique	2548876561	Streptococcus mutans	Streptococcus mutans TCI-179
242	clique	2548876570	Streptococcus mutans	Streptococcus mutans TCI-210
242	clique	2548876577	Streptococcus mutans	Streptococcus mutans TCI-78
242	clique	2548876584	Streptococcus mutans	Streptococcus mutans TCI-227
242	clique	2548876548	Streptococcus mutans	Streptococcus mutans TCI-170
242	clique	2548876590	Streptococcus mutans	Streptococcus mutans TCI-51
242	clique	2548876612	Streptococcus mutans	Streptococcus mutans TCI-267
242	clique	2548876582	Streptococcus mutans	Streptococcus mutans TCI-228
242	clique	2548876617	Streptococcus mutans	Streptococcus mutans TCI-249
242	clique	2548876568	Streptococcus mutans	Streptococcus mutans TCI-169
242	clique	2548876553	Streptococcus mutans	Streptococcus mutans TCI-218
242	clique	2548876574	Streptococcus mutans	Streptococcus mutans TCI-222
242	clique	2548876595	Streptococcus mutans	Streptococcus mutans TCI-70
242	clique	2548876610	Streptococcus mutans	Streptococcus mutans TCI-86
242	clique	2548876546	Streptococcus mutans	Streptococcus mutans TCI-163
242	clique	2548876615	Streptococcus mutans	Streptococcus mutans TCI-399
242	clique	2548876551	Streptococcus mutans	Streptococcus mutans TCI-162
242	clique	2548876603	Streptococcus mutans	Streptococcus mutans TCI-338
242	clique	2548876537	Streptococcus mutans	Streptococcus mutans TCI-11
242	clique	2548876589	Streptococcus mutans	Streptococcus mutans TCI-280
242	clique	2548876588	Streptococcus mutans	Streptococcus mutans TCI-294
242	clique	2548876566	Streptococcus mutans	Streptococcus mutans TCI-176
242	clique	2515154132	Streptococcus mutans	Streptococcus mutans DSM 20523
243	clique	2513237376	Coprobacillus sp.	Coprobacillus sp. 3_3_56FAA
243	clique	2513237364	Coprobacillus sp.	Coprobacillus sp. 8_2_54BFAA
243	clique	641736198	Clostridium ramosum	Clostridium ramosum VPI 0427, DSM 1402
243	clique	646206251	Coprobacillus sp.	Coprobacillus sp. D7
244	clique	644736387	Methylobacterium extorquens	Methylobacterium extorquens DM4
244	clique	643348563	Methylobacterium chloromethanicum	Methylobacterium chloromethanicum CM4
244	clique	2507262015	Methylobacterium extorquens	Methylobacterium extorquens DSM 13060
244	clique	641228497	Methylobacterium extorquens	Methylobacterium extorquens PA1
244	clique	644736386	Methylobacterium extorquens	Methylobacterium extorquens AM1
245	clique	2537561556	Acinetobacter johnsonii	Acinetobacter johnsonii CIP 64.6
245	clique	2551306340	Acinetobacter johnsonii	Acinetobacter johnsonii TG19625
245	clique	2551306347	Acinetobacter johnsonii	Acinetobacter johnsonii TG19605
246	clique	2548877048	Pseudomonas fuscovaginae	Pseudomonas fuscovaginae CB98818
246	clique	2548876985	Pseudomonas fuscovaginae	Pseudomonas fuscovaginae UPB0736
247	clique	2547132234	Bordetella pertussis	Bordetella pertussis B1834
247	clique	637000033	Bordetella parapertussis	Bordetella parapertussis 12822
247	clique	2551306461	Bordetella bronchiseptica	Bordetella bronchiseptica 1289
247	clique	2547132233	Bordetella pertussis	Bordetella pertussis B1917

247	clique	2547132237	Bordetella pertussis	Bordetella pertussis B0558
247	clique	2547132235	Bordetella pertussis	Bordetella pertussis B1831
247	clique	637000032	Bordetella bronchiseptica	Bordetella bronchiseptica RB50
247	clique	651053009	Bordetella pertussis	Bordetella pertussis CS
247	clique	637000034	Bordetella pertussis	Bordetella pertussis Tohama I
247	clique	2551306453	Bordetella bronchiseptica	Bordetella bronchiseptica Bbr77
247	clique	2547132236	Bordetella pertussis	Bordetella pertussis B1193
247	clique	2551306457	Bordetella bronchiseptica	Bordetella bronchiseptica D445
248	clique	2519899777	Lactobacillus buchneri	Lactobacillus buchneri CD034
248	clique	2504756048	Lactobacillus buchneri	Lactobacillus buchneri VBLLa 18-02
248	clique	2505119028	Lactobacillus buchneri	Lactobacillus buchneri VBLLa 18-17
248	clique	2505313015	Lactobacillus buchneri	Lactobacillus buchneri NRRL B-30929
249	clique	2534682312	Streptococcus sobrinus	Streptococcus sobrinus DSM 20742
249	clique	2548876647	Streptococcus sobrinus	Streptococcus sobrinus TCI-357
249	clique	2548876587	Streptococcus sobrinus	Streptococcus sobrinus TCI-124
249	clique	2548876651	Streptococcus sobrinus	Streptococcus sobrinus TCI-89
249	clique	2548876619	Streptococcus sobrinus	Streptococcus sobrinus TCI-119
249	clique	2548876645	Streptococcus sobrinus	Streptococcus sobrinus TCI-345
249	clique	2548876623	Streptococcus sobrinus	Streptococcus sobrinus TCI-56
249	clique	2548876643	Streptococcus sobrinus	Streptococcus sobrinus TCI-79
249	clique	2526164737	Streptococcus sobrinus	Streptococcus sobrinus ATCC 33478
249	clique	2548876638	Streptococcus sobrinus	Streptococcus sobrinus TCI-215
249	clique	2548876639	Streptococcus sobrinus	Streptococcus sobrinus TCI-61
249	clique	2548876641	Streptococcus sobrinus	Streptococcus sobrinus TCI-396
249	clique	2548876631	Streptococcus sobrinus	Streptococcus sobrinus TCI-363
249	clique	2548876581	Streptococcus sobrinus	Streptococcus sobrinus TCI-172
249	clique	2548876625	Streptococcus sobrinus	Streptococcus sobrinus TCI-352
249	clique	2548876618	Streptococcus sobrinus	Streptococcus sobrinus TCI-160
249	clique	2548876655	Streptococcus sobrinus	Streptococcus sobrinus TCI-200
249	clique	2548876629	Streptococcus sobrinus	Streptococcus sobrinus TCI-381
249	clique	2548876648	Streptococcus sobrinus	Streptococcus sobrinus TCI-28
249	clique	2548876633	Streptococcus sobrinus	Streptococcus sobrinus TCI-2
249	clique	2548876653	Streptococcus sobrinus	Streptococcus sobrinus TCI-395
249	clique	2548876627	Streptococcus sobrinus	Streptococcus sobrinus TCI-80
249	clique	2548876646	Streptococcus sobrinus	Streptococcus sobrinus TCI-50
249	clique	2548876602	Streptococcus sobrinus	Streptococcus sobrinus TCI-13
249	clique	2548876634	Streptococcus sobrinus	Streptococcus sobrinus TCI-366
249	clique	2548876596	Streptococcus sobrinus	Streptococcus sobrinus TCI-107
249	clique	2548876644	Streptococcus sobrinus	Streptococcus sobrinus TCI-9
249	clique	2548876622	Streptococcus sobrinus	Streptococcus sobrinus TCI-98
249	clique	2548876642	Streptococcus sobrinus	Streptococcus sobrinus TCI-54
249	clique	2548876636	Streptococcus sobrinus	Streptococcus sobrinus TCI-355
249	clique	2548876606	Streptococcus sobrinus	Streptococcus sobrinus TCI-118
249	clique	2548876630	Streptococcus sobrinus	Streptococcus sobrinus TCI-377
249	clique	2548876608	Streptococcus sobrinus	Streptococcus sobrinus TCI-175
249	clique	2548876624	Streptococcus sobrinus	Streptococcus sobrinus TCI-384
249	clique	2548876654	Streptococcus sobrinus	Streptococcus sobrinus TCI-392
249	clique	2548876649	Streptococcus sobrinus	Streptococcus sobrinus TCI-77
249	clique	2548876640	Streptococcus sobrinus	Streptococcus sobrinus TCI-53
249	clique	2548876591	Streptococcus sobrinus	Streptococcus sobrinus TCI-16
249	clique	2548876626	Streptococcus sobrinus	Streptococcus sobrinus TCI-373
249	clique	2548876628	Streptococcus sobrinus	Streptococcus sobrinus TCI-342
249	clique	2548876652	Streptococcus sobrinus	Streptococcus sobrinus TCI-367
250	clique	643886033	Bacillus cereus	Bacillus cereus ATCC 4342
250	clique	638341012	Bacillus cereus	Bacillus cereus G9241
250	clique	643886071	Bacillus thuringiensis	Bacillus thuringiensis sv tochiensis BGSC 4Y1
251	clique	2554235511	Methanocaldococcus villosus	Methanocaldococcus villosus KIN24-T80
251	clique	2517093008	Methanocaldococcus villosus	Methanocaldococcus villosus KIN24-T80
252	clique	2541047545	Chlamydia psittaci	Chlamydia psittaci 10_743_SC13
252	clique	2541047544	Chlamydia psittaci	Chlamydia psittaci 10_881_SC42
253	clique	647000338	Vibrio harveyi	Vibrio harveyi 1DA3
253	clique	2534681926	Vibrio cholerae	Vibrio cholerae HENC-03
254	clique	2537561578	Propionibacterium acnes	Propionibacterium acnes HL110PA3
254	clique	2531839429	Propionibacterium acnes	Propionibacterium acnes HL050PA3
254	clique	651053058	Propionibacterium acnes	Propionibacterium acnes 266
254	clique	2531839425	Propionibacterium acnes	Propionibacterium acnes HL036PA1
254	clique	2529292840	Propionibacterium acnes	Propionibacterium acnes HL002PA2
254	clique	2529292847	Propionibacterium acnes	Propionibacterium acnes HL063PA2
254	clique	2531839318	Propionibacterium acnes	Propionibacterium acnes HL083PA1
254	clique	2531839226	Propionibacterium acnes	Propionibacterium acnes HL053PA2
254	clique	2537561594	Propionibacterium acnes	Propionibacterium acnes HL099PA1
254	clique	2537561822	Propionibacterium acnes	Propionibacterium acnes HL067PA1
254	clique	2534681798	Propionibacterium acnes	Propionibacterium acnes HL037PA1
254	clique	2537561817	Propionibacterium acnes	Propionibacterium acnes HL053PA1
254	clique	2537561672	Propionibacterium acnes	Propionibacterium acnes HL046PA1
254	clique	2531839427	Propionibacterium acnes	Propionibacterium acnes HL050PA1
254	clique	2537561674	Propionibacterium acnes	Propionibacterium acnes HL005PA1
254	clique	2531839423	Propionibacterium acnes	Propionibacterium acnes HL030PA2
254	clique	2537561815	Propionibacterium acnes	Propionibacterium acnes HL007PA1
254	clique	2531839315	Propionibacterium acnes	Propionibacterium acnes HL110PA4
254	clique	2537561580	Propionibacterium acnes	Propionibacterium acnes HL043PA2
254	clique	2531839323	Propionibacterium acnes	Propionibacterium acnes HL083PA2

254	clique	647000297	Propionibacterium acnes	Propionibacterium acnes J165
254	clique	2537561743	Propionibacterium acnes	Propionibacterium acnes HL056PA1
254	clique	2537561678	Propionibacterium acnes	Propionibacterium acnes HL059PA2
254	clique	2537561584	Propionibacterium acnes	Propionibacterium acnes HL074PA1
254	clique	2537561582	Propionibacterium acnes	Propionibacterium acnes HL013PA2
254	clique	2531839451	Propionibacterium acnes	Propionibacterium acnes FZ1/2/0
254	clique	2537561671	Propionibacterium acnes	Propionibacterium acnes HL046PA2
254	clique	2531839430	Propionibacterium acnes	Propionibacterium acnes HL030PA1
254	clique	2531839317	Propionibacterium acnes	Propionibacterium acnes HL092PA1
254	clique	651324092	Propionibacterium sp.	Propionibacterium sp. 434-HC2
254	clique	2531839223	Propionibacterium acnes	Propionibacterium acnes HL013PA1
254	clique	2515154214	Propionibacterium acnes	Propionibacterium acnes DSM 1897
254	clique	2537561676	Propionibacterium acnes	Propionibacterium acnes HL025PA2
254	clique	2537561586	Propionibacterium acnes	Propionibacterium acnes HL072PA1
254	clique	646564561	Propionibacterium acnes	Propionibacterium acnes SK137
254	clique	2537561579	Propionibacterium acnes	Propionibacterium acnes HL110PA2
254	clique	2516143011	Propionibacterium acnes	Propionibacterium acnes PRP-38
254	clique	2512047068	Propionibacterium sp.	Propionibacterium sp. CC003-HC2
254	clique	2531839320	Propionibacterium acnes	Propionibacterium acnes HL038PA1
254	clique	2531839222	Propionibacterium acnes	Propionibacterium acnes HL045PA1
254	clique	2531839319	Propionibacterium acnes	Propionibacterium acnes HL060PA1
254	clique	2531839314	Propionibacterium acnes	Propionibacterium acnes HL087PA3
254	clique	2537561595	Propionibacterium acnes	Propionibacterium acnes HL097PA1
254	clique	647000296	Propionibacterium acnes	Propionibacterium acnes J139
254	clique	651053059	Propionibacterium acnes	Propionibacterium acnes 6609
254	clique	2537561818	Propionibacterium acnes	Propionibacterium acnes HL002PA1
254	clique	2537561597	Propionibacterium acnes	Propionibacterium acnes HL096PA3
254	clique	2531839428	Propionibacterium acnes	Propionibacterium acnes HL050PA2
254	clique	2537561736	Propionibacterium acnes	Propionibacterium acnes HL082PA1
254	clique	2531839225	Propionibacterium acnes	Propionibacterium acnes HL020PA1
254	clique	2531839424	Propionibacterium acnes	Propionibacterium acnes HL001PA1
254	clique	2537561682	Propionibacterium acnes	Propionibacterium acnes HL005PA3
254	clique	2531839316	Propionibacterium acnes	Propionibacterium acnes HL087PA1
254	clique	647000298	Propionibacterium acnes	Propionibacterium acnes SK187
254	clique	2513237388	Propionibacterium sp.	Propionibacterium sp. 5_U_42AFAA
254	clique	2531839426	Propionibacterium acnes	Propionibacterium acnes HL036PA2
254	clique	2537561673	Propionibacterium acnes	Propionibacterium acnes HL005PA2
254	clique	2537561675	Propionibacterium acnes	Propionibacterium acnes HL059PA1
254	clique	2537561581	Propionibacterium acnes	Propionibacterium acnes HL043PA1
254	clique	2529292952	Propionibacterium acnes	Propionibacterium acnes HL082PA2
254	clique	2537561820	Propionibacterium acnes	Propionibacterium acnes HL027PA2
254	clique	2537561816	Propionibacterium acnes	Propionibacterium acnes HL002PA3
254	clique	637000215	Propionibacterium acnes	Propionibacterium acnes KPA171202
254	clique	2511231219	Propionibacterium acnes	Propionibacterium acnes ATCC 11828
254	clique	2522572173	Propionibacterium acnes	Propionibacterium acnes C1
254	clique	2537561585	Propionibacterium acnes	Propionibacterium acnes HL072PA2
254	clique	2531839421	Propionibacterium acnes	Propionibacterium acnes HL036PA3
254	clique	651324091	Propionibacterium sp.	Propionibacterium sp. 409-HC1
254	clique	2511231063	Propionibacterium acnes	Propionibacterium acnes TypelA2 P.acn33
254	clique	2511231125	Propionibacterium acnes	Propionibacterium acnes TypelA2 P.acn17
254	clique	2531839324	Propionibacterium acnes	Propionibacterium acnes HL025PA1
254	clique	2537562124	Propionibacterium acnes	Propionibacterium acnes SK182
254	clique	2534682005	Propionibacterium acnes	Propionibacterium acnes HL078PA1
254	clique	2537561583	Propionibacterium acnes	Propionibacterium acnes HL110PA1
254	clique	2537561821	Propionibacterium acnes	Propionibacterium acnes HL027PA1
254	clique	2511231095	Propionibacterium acnes	Propionibacterium acnes TypelA2 P.acn31
254	clique	2537561596	Propionibacterium acnes	Propionibacterium acnes HL103PA1
254	clique	2531839313	Propionibacterium acnes	Propionibacterium acnes HL087PA2
254	clique	2540341064	Propionibacterium acnes	Propionibacterium acnes HL096PA1
254	clique	2537561677	Propionibacterium acnes	Propionibacterium acnes HL086PA1
254	clique	2537561598	Propionibacterium acnes	Propionibacterium acnes HL096PA2
254	clique	2537561819	Propionibacterium acnes	Propionibacterium acnes HL063PA1
254	clique	2537561681	Propionibacterium acnes	Propionibacterium acnes HL005PA4
255	clique	645058813	Clostridium botulinum	Clostridium botulinum E1 BoNT E Beluga
255	clique	2554235037	Clostridium botulinum	Clostridium botulinum CB11/1-1
255	clique	642555125	Clostridium botulinum	Clostridium botulinum E3 Alaska E43
256	clique	2516653056	Pseudomonas cannabina	Pseudomonas cannabina pv. alisalensis BS91 (draft assembly)
256	clique	2516653057	Pseudomonas cannabina	Pseudomonas cannabina pv. alisalensis T3C (draft assembly)
256	clique	2505313048	Pseudomonas syringae	Pseudomonas syringae PmaYM7930 (Psy40)
256	clique	2512564082	Pseudomonas cannabina	Pseudomonas cannabina pv. alisalensis Psa1-3 (Draft assembly with Ion Torrent)
256	clique	2505313046	Pseudomonas syringae	Pseudomonas syringae PmaES4326 (Psy34)
256	clique	2508501065	Pseudomonas syringae	Pseudomonas syringae pv. maculicola ES4326 (Maculicola)
257	clique	2521172705	Thermogladius cellulolyticus	Thermogladius cellulolyticus 1633
257	clique	2503754003	Thermogladius shockii	Thermogladius shockii
258	clique-group	641522608	Burkholderia ambifaria	Burkholderia ambifaria MC40-6
258	clique-group	641736149	Burkholderia ambifaria	Burkholderia ambifaria MEX-5
258	clique-group	637000047	Burkholderia cepacia	Burkholderia cepacia AMMD
258	clique-group	641736154	Burkholderia ambifaria	Burkholderia ambifaria IOP40-10
259	clique	2545824771	Pasteurella sp.	Pasteurella multocida 1500C
259	clique	2519103085	Pasteurella multocida	Pasteurella multocida multocida P52VAC
259	clique	2529293057	Pasteurella multocida	Pasteurella multocida gallitida Anand1_poultry
259	clique	2529293056	Pasteurella multocida	Pasteurella multocida multocida Anand1_goat

259	clique	637000203	Pasteurella multocida	Pasteurella multocida multocida Pm70
259	clique	2545824773	Pasteurella sp.	Pasteurella multocida 671/90
259	clique	2513237228	Pasteurella multocida	Pasteurella multocida multocida P-3480
259	clique	2512564074	Pasteurella multocida	Pasteurella multocida multocida HNO6
259	clique	2545824770	Pasteurella sp.	Pasteurella multocida P1933
259	clique	2545824772	Pasteurella sp.	Pasteurella multocida 2000
259	clique	2512047043	Pasteurella multocida	Pasteurella multocida 36950
259	clique	2545824769	Pasteurella sp.	Pasteurella multocida RIF
260	clique	2517572164	Salinispora tropica	Salinispora tropica CNS416
260	clique	640427140	Salinispora tropica	Salinispora tropica CNB-440
260	clique	2517572212	Salinispora pacifica	Salinispora tropica CNB536
260	clique	2515154094	Salinispora tropica	Salinispora tropica CNH898
260	clique	2526164712	Salinispora arenicola	Salinispora arenicola CNR416
260	clique	2517572211	Salinispora pacifica	Salinispora tropica CNB476
260	clique	2515154163	Salinispora tropica	Salinispora tropica CNS197
260	clique	2518645624	Salinispora tropica	Salinispora tropica CNR699
260	clique	2524614530	Salinispora tropica	Salinispora tropica CNT261
261	clique	2504756042	Francisella noatunensis	Francisella noatunensis noatunensis FSC846
261	clique	2504756039	Francisella noatunensis	Francisella noatunensis noatunensis FSC775
261	clique	2504756036	Francisella noatunensis	Francisella noatunensis noatunensis FSC772
261	clique	2504756038	Francisella noatunensis	Francisella noatunensis noatunensis FSC774
261	clique	2504756043	Francisella noatunensis	Francisella noatunensis noatunensis FDC178
262	clique	2516143105	Enterobacter aerogenes	Enterobacter aerogenes FGI35
262	clique	650716035	Enterobacter aerogenes	Enterobacter aerogenes KCTC 2190
262	clique	2554235336	Enterobacter aerogenes	Enterobacter aerogenes EA1509E
263	clique	2554235470	Nocardioopsis halophila	Nocardioopsis halophila DSM 44494
263	clique	2551306672	Nocardioopsis baichengensis	Nocardioopsis baichengensis YIM 90130
264	clique	2524023167	Glaciecola pallidula	Glaciecola pallidula DSM 14239
264	clique	2531839186	Glaciecola pallidula	Glaciecola pallidula DSM 14239
265	clique	650716075	Pseudomonas mendocina	Pseudomonas mendocina NK-01
265	clique	2551306356	Pseudomonas sp.	Pseudomonas sp. SS.2
266	clique	2516653085	Rhizobium leguminosarum	Rhizobium leguminosarum bv. phaseoli 4292
266	clique	2515154115	Rhizobium leguminosarum	Rhizobium leguminosarum bv viciae 128C53
266	clique	2513237085	Rhizobium leguminosarum	Rhizobium leguminosarum bv viciae UPM1137
266	clique	2515154134	Rhizobium gallicum	Rhizobium gallicum bv. gallicum R602sp
266	clique	2507525018	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii CC283b
267	clique	638154518	Sulfolobus solfataricus	Sulfolobus solfataricus P2
267	clique	646862347	Sulfolobus solfataricus	Sulfolobus solfataricus 98/2
267	clique	649990020	Sulfolobus solfataricus	Sulfolobus solfataricus 98/2
268	clique	651053066	Shewanella baltica	Shewanella baltica OS117
268	clique	648276724	Shewanella baltica	Shewanella baltica BA175
268	clique	2507262035	Shewanella baltica	Shewanella baltica OS625
268	clique	643348574	Shewanella baltica	Shewanella baltica OS223
268	clique	641228507	Shewanella baltica	Shewanella baltica OS195
268	clique	648276725	Shewanella baltica	Shewanella baltica OS183
268	clique	640753049	Shewanella baltica	Shewanella baltica OS185
268	clique	640069330	Shewanella baltica	Shewanella baltica OS155
269	clique	2513237097	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 6
269	clique	2511231207	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 6
269	clique	2513237148	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 38
270	clique	2511231127	Taylorella asinigenitalis	Taylorella asinigenitalis MCE3
270	clique	2554235468	Taylorella asinigenitalis	Taylorella asinigenitalis 14/45
271	clique	650716069	Oligotropha carboxidovorans	Oligotropha carboxidovorans OM5
271	clique	651053055	Oligotropha carboxidovorans	Oligotropha carboxidovorans OM4
271	clique	2510065041	Oligotropha carboxidovorans	Oligotropha carboxidovorans OM5
272	clique	2511231160	Pantoea ananatis	Pantoea ananatis PA13
272	clique	2511231178	Pantoea ananatis	Pantoea ananatis LMG 5342
272	clique	646564558	Pantoea ananatis	Pantoea ananatis LMG 20103
272	clique	2551306543	Pantoea sp.	Pantoea sp. B40
272	clique	651053056	Pantoea ananatis	Pantoea ananatis AJ13355
273	clique	2519103122	Bacillus cereus	Bacillus cereus BAG5X1-1
273	clique	2537562034	Bacillus cereus	Bacillus cereus MC67
273	clique	2537562003	Bacillus cereus	Bacillus cereus BAG60-2
273	clique	2531839248	Bacillus cereus	Bacillus cereus VD118
273	clique	2537561730	Bacillus cereus	Bacillus cereus MC118
274	clique	2545824756	Vibrio fluvialis	Vibrio fluvialis I21563
274	clique	2554235100	Vibrio cholerae	Vibrio cholerae VCC19
274	clique	2545824757	Vibrio fluvialis	Vibrio fluvialis PG41
275	clique	2521172663	Agrobacterium sp.	Agrobacterium sp. 10MFC01.1
275	clique	650716007	Agrobacterium sp.	Agrobacterium sp. H13-3
275	clique	2537562123	Agrobacterium tumefaciens	Agrobacterium tumefaciens 5A
275	clique	2554235003	Agrobacterium tumefaciens	Agrobacterium tumefaciens WRT31
276	clique	2548876930	Sphingomonas wittichii	Sphingomonas wittichii DP58
276	clique	2554235291	unclassified	Sphingomonas sp. YL-JM2C
276	clique	640427144	Sphingomonas wittichii	Sphingomonas wittichii RW1
277	clique	2505679053	IsotERICOLA variabilis	IsotERICOLA variabilis J7
277	clique	2504756063	IsotERICOLA variabilis	IsotERICOLA variabilis J5
277	clique	2505679068	IsotERICOLA variabilis	IsotERICOLA variabilis 225
278	clique	2548876782	Klebsiella oxytoca	Klebsiella oxytoca 11492-1
278	clique	2521172537	Klebsiella sp.	Klebsiella sp. BRL6-2
278	clique	2531839402	Klebsiella oxytoca	Klebsiella oxytoca 10-5243
278	clique	2531839404	Klebsiella oxytoca	Klebsiella oxytoca 10-5245

278	clique	2547132040	Klebsiella oxytoca	Klebsiella oxytoca 10-5248
279	clique	637000102	Pectobacterium atrosepticum	Pectobacterium atrosepticum SCRI1043
279	clique	2554235133	Pectobacterium atrosepticum	Pectobacterium atrosepticum CFBP 6276
280	clique-group	640427118	Lactobacillus reuteri	Lactobacillus reuteri F275, JCM 1112
280	clique-group	642555135	Lactobacillus reuteri	Lactobacillus reuteri F275, JCM 1112
280	clique-group	2506381018	Lactobacillus reuteri	Lactobacillus reuteri ATCC 53608
280	clique-group	2502171171	Lactobacillus reuteri	Lactobacillus reuteri MM2-3 (Improved draft)
280	clique-group	2554235439	Lactobacillus sp.	Lactobacillus reuteri TD1
280	clique-group	2554235423	Lactobacillus reuteri	Lactobacillus reuteri I5007
280	clique-group	2502171170	Lactobacillus reuteri	Lactobacillus reuteri MM4-1A (Improved draft)
280	clique-group	2506381017	Lactobacillus reuteri	Lactobacillus reuteri lpuph
281	clique-group	2502894009	Vibrio vulnificus	Vibrio vulnificus 06-2450 (Draft 2)
281	clique-group	2502873006	Vibrio vulnificus	Vibrio vulnificus VVyb1(BT3)
281	clique-group	637000336	Vibrio vulnificus	Vibrio vulnificus CMCP6
281	clique-group	2548876514	Vibrio vulnificus	Vibrio vulnificus JY1701
281	clique-group	2548876515	Vibrio vulnificus	Vibrio vulnificus E64MW
281	clique-group	2547132242	Vibrio vulnificus	Vibrio vulnificus JY 1305
281	clique-group	649633107	Vibrio vulnificus	Vibrio vulnificus M06-24/O
281	clique-group	2547132173	Vibrio vulnificus	Vibrio vulnificus NBRC 15645, ATCC 27562
281	clique-group	637000337	Vibrio vulnificus	Vibrio vulnificus YJ016
281	clique-group	2551306448	Vibrio vulnificus	Vibrio vulnificus B2
282	clique	643348560	Klebsiella pneumoniae	Klebsiella pneumoniae 342
282	clique	647533174	Klebsiella sp.	Klebsiella sp. 1_1_55
282	clique	646311937	Klebsiella varicola	Klebsiella varicola At-22
283	clique	2546825528	Pseudoalteromonas sp.	Pseudoalteromonas sp. 23_GOM-1509m
283	clique	649633085	Pseudoalteromonas sp.	Pseudoalteromonas sp. SM9913
283	clique	2548877051	Pseudoalteromonas sp.	Pseudoalteromonas sp. PAMC 22718
284	clique	2551306513	Aeromonas hydrophila	Aeromonas hydrophila 259
284	clique	2551306515	Aeromonas hydrophila	Aeromonas hydrophila 173
284	clique	2529292917	Aeromonas hydrophila	Aeromonas hydrophila SSU
284	clique	2551306561	Aeromonas sp.	Aeromonas sp. MDS8
284	clique	2551306648	Aeromonas hydrophila	Aeromonas hydrophila 14
284	clique	2551306512	Aeromonas hydrophila	Aeromonas hydrophila 113
284	clique	2551306514	Aeromonas hydrophila	Aeromonas hydrophila 187
284	clique	2551306511	Aeromonas hydrophila	Aeromonas hydrophila 277
285	clique	2519899819	Mycoplasma canis	Mycoplasma canis UF33
285	clique	2519899821	Mycoplasma canis	Mycoplasma canis UFG4
285	clique	2513237352	Mycoplasma canis	Mycoplasma canis UF31
285	clique	2519899818	Mycoplasma canis	Mycoplasma canis PG 14
285	clique	2519899820	Mycoplasma canis	Mycoplasma canis UFG1
286	clique	2554235234	Klebsiella sp.	Klebsiella oxytoca SA2
286	clique	2519899599	Klebsiella oxytoca	Klebsiella oxytoca M5a1
287	clique	2531839087	Sphingobium indicum	Sphingobium indicum B90A
287	clique	646564570	Sphingobium japonicum	Sphingobium japonicum UT26S
287	clique	2554235282	unclassified	Sphingobium chinhatense IP26
288	clique	648231712	Lactobacillus salivarius	Lactobacillus salivarius CECT 5713
288	clique	637000143	Lactobacillus salivarius	Lactobacillus salivarius salivarius UCC118
288	clique	643886048	Lactobacillus salivarius	Lactobacillus salivarius HO66, ATCC 11741
288	clique	2529292852	Lactobacillus salivarius	Lactobacillus salivarius NIAS840
288	clique	648276684	Lactobacillus salivarius	Lactobacillus salivarius ACS-116-V-Col5a
288	clique	2529292731	Lactobacillus salivarius	Lactobacillus salivarius GJ-24
289	clique	2529293192	Bartonella elizabethae	Bartonella elizabethae F9251
289	clique	2534681853	Bartonella elizabethae	Bartonella elizabethae Re6043vi
289	clique	2545555865	Bartonella elizabethae	Bartonella elizabethae ATCC 49927
290	clique	643886108	Mobiluncus mulieris	Mobiluncus mulieris ATCC 35243
290	clique	648276691	Mobiluncus mulieris	Mobiluncus mulieris FB024-16
290	clique	647000277	Mobiluncus mulieris	Mobiluncus mulieris 28-1
290	clique	648276690	Mobiluncus mulieris	Mobiluncus mulieris ATCC 35239
291	clique	649633099	Taylorella equigenitalis	Taylorella equigenitalis MCE9
291	clique	2554235467	Taylorella equigenitalis	Taylorella equigenitalis 14/56
291	clique	2517093031	Taylorella equigenitalis	Taylorella equigenitalis ATCC 35865
292	clique	2551306342	Acinetobacter haemolyticus	Acinetobacter haemolyticus TG19599
292	clique	647000202	Acinetobacter haemolyticus	Acinetobacter haemolyticus ATCC 19194
292	clique	2545824737	Acinetobacter haemolyticus	Acinetobacter haemolyticus MTCC 9819
292	clique	2537561554	Acinetobacter haemolyticus	Acinetobacter haemolyticus CIP 64.3
292	clique	2551306343	Acinetobacter haemolyticus	Acinetobacter haemolyticus TG21157
292	clique	2537561834	Acinetobacter haemolyticus	Acinetobacter haemolyticus NIPH 261
292	clique	643886214	Acinetobacter sp.	Acinetobacter sp. ATCC 27244
292	clique	2551306346	Acinetobacter haemolyticus	Acinetobacter haemolyticus TG19602
293	clique	651324033	Fusobacterium sp.	Fusobacterium sp. 21_1A
293	clique	645058833	Fusobacterium sp.	Fusobacterium sp. D11
293	clique	646206252	Fusobacterium sp.	Fusobacterium nucleatum animalis 7_1
293	clique	2554235311	Fusobacterium sp.	Fusobacterium sp. 4_8
293	clique	2537561939	Fusobacterium nucleatum	Fusobacterium nucleatum animalis F0419
293	clique	2554235040	Fusobacterium nucleatum	Fusobacterium nucleatum animalis ChDC F324
293	clique	647533170	Fusobacterium sp.	Fusobacterium sp. 3_1_33
293	clique	2531839191	Fusobacterium nucleatum	Fusobacterium nucleatum polymorphum F0401
293	clique	651324032	Fusobacterium sp.	Fusobacterium sp. 11_3_2
294	clique	2513020047	Desulfurococcus fermentans	Desulfurococcus fermentans Z-1312, DSM 16532
294	clique	643348540	Desulfurococcus kamchatkensis	Desulfurococcus kamchatkensis 1221n
294	clique	2516143104	Desulfurococcus amyolyticus	Desulfurococcus amyolyticus DSM 3822
295	clique	2541047002	Treponema vincentii	Treponema vincentii F0403

295	clique	645951869	Treponema vincentii	Treponema vincentii ATCC 35580
296	clique	651324052	unclassified	Lachnospiraceae bacterium 6_1_37FAA
296	clique	2541046996	Coprococcus sp.	Coprococcus sp. HPP0048
296	clique	2541046997	Coprococcus sp.	Coprococcus sp. HPP0074
296	clique	651324055	unclassified	Lachnospiraceae bacterium 9_1_43BFAA
297	clique	640427111	Dehalococcoides mccartyi	Dehalococcoides mccartyi BAV1
297	clique	2540341062	Dehalococcoides mccartyi	Dehalococcoides mccartyi DCMB5
297	clique	646564526	Dehalococcoides mccartyi	Dehalococcoides mccartyi GT
297	clique	637000090	Dehalococcoides mccartyi	Dehalococcoides mccartyi CBDB1
297	clique	2540341061	Dehalococcoides mccartyi	Dehalococcoides mccartyi BTF08
298	clique	2531839552	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 324 F0483
298	clique	2531839278	Capnocytophaga ochracea	Capnocytophaga ochracea Holt 25, ATCC 33596
298	clique	2540341000	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 412 F0487
298	clique	2541047019	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 336 F0502
298	clique	644736338	Capnocytophaga ochracea	Capnocytophaga ochracea VPI 2845, DSM 7271
298	clique	649989920	Capnocytophaga ochracea	Capnocytophaga ochracea F0287
298	clique	2531839279	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 335 F0486
298	clique	2529292817	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 380 F0488
299	clique	2547132371	Gluconacetobacter europaeus	Gluconacetobacter europaeus LMG 18494
299	clique	2547132372	Gluconacetobacter europaeus	Gluconacetobacter europaeus 5P3
299	clique	2547132370	Gluconacetobacter europaeus	Gluconacetobacter europaeus LMG 18890
300	clique-group	2513237389	Propionibacterium avidum	Propionibacterium avidum ATCC 25577
300	clique-group	2541047016	Propionibacterium sp.	Propionibacterium sp. HGHO353
300	clique-group	2541047023	Propionibacterium avidum	Propionibacterium avidum 44067
301	clique	2541047365	Clostridium sp.	Clostridium difficile Y10
301	clique	2541047327	Clostridium sp.	Clostridium difficile DA00149
301	clique	2541047397	Clostridium sp.	Clostridium difficile P20
301	clique	2541047278	Clostridium sp.	Clostridium difficile CD70
301	clique	645058803	Clostridium difficile	Clostridium difficile QCD-66c26
301	clique	2541047358	Clostridium sp.	Clostridium difficile DA00310
301	clique	2541047419	Clostridium sp.	Clostridium difficile P74
301	clique	2541047284	Clostridium sp.	Clostridium difficile CD111
301	clique	2541047360	Clostridium sp.	Clostridium difficile DA00306
301	clique	2541047335	Clostridium sp.	Clostridium difficile DA00191
301	clique	2541047375	Clostridium sp.	Clostridium difficile Y312
301	clique	2541047392	Clostridium sp.	Clostridium difficile P19
301	clique	2541047296	Clostridium sp.	Clostridium difficile CD169
301	clique	2541047303	Clostridium sp.	Clostridium difficile CD201
301	clique	642791631	Clostridium difficile	Clostridium difficile QCD-23m63
301	clique	642791606	Clostridium difficile	Clostridium difficile CIP 107932
301	clique	2541047274	Clostridium sp.	Clostridium difficile CD51
301	clique	2541047300	Clostridium sp.	Clostridium difficile CD178
301	clique	2541047413	Clostridium sp.	Clostridium difficile P59
301	clique	2541047269	Clostridium sp.	Clostridium difficile CD43
301	clique	2541047281	Clostridium sp.	Clostridium difficile CD104
301	clique	2541047384	Clostridium sp.	Clostridium difficile Y401
301	clique	2541047356	Clostridium sp.	Clostridium difficile DA00313
301	clique	2541047348	Clostridium sp.	Clostridium difficile DA00215
301	clique	2541047420	Clostridium sp.	Clostridium difficile P75
301	clique	2541047344	Clostridium sp.	Clostridium difficile DA00244
301	clique	2541047286	Clostridium sp.	Clostridium difficile CD129
301	clique	2541047362	Clostridium sp.	Clostridium difficile F249
301	clique	2541047409	Clostridium sp.	Clostridium difficile P49
301	clique	2541047292	Clostridium sp.	Clostridium difficile CD144
301	clique	646311915	Clostridium difficile	Clostridium difficile R20291
301	clique	2534681961	Clostridium difficile	Clostridium difficile 050-P50-2011
301	clique	2541047330	Clostridium sp.	Clostridium difficile DA00167
301	clique	2541047270	Clostridium sp.	Clostridium difficile CD49
301	clique	2541047313	Clostridium sp.	Clostridium difficile 6057
301	clique	641736219	Clostridium difficile	Clostridium difficile QCD-97b34, NAP1b/006
301	clique	2541047337	Clostridium sp.	Clostridium difficile DA00196
301	clique	638341066	Clostridium difficile	Clostridium difficile QCD-32g58
301	clique	2541047496	Clostridium sp.	Clostridium difficile P11
301	clique	2541047283	Clostridium sp.	Clostridium difficile CD90
301	clique	2541047415	Clostridium sp.	Clostridium difficile P72
301	clique	2541047346	Clostridium sp.	Clostridium difficile DA00232
301	clique	2541047514	Clostridium sp.	Clostridium difficile F200
301	clique	2541047373	Clostridium sp.	Clostridium difficile Y215
301	clique	2541047354	Clostridium sp.	Clostridium difficile DA00273
301	clique	2541047325	Clostridium sp.	Clostridium difficile DA00142
301	clique	2541047386	Clostridium sp.	Clostridium difficile P5
301	clique	647000227	Clostridium difficile	Clostridium difficile NAP07
301	clique	2541047289	Clostridium sp.	Clostridium difficile CD159
301	clique	2541047317	Clostridium sp.	Clostridium difficile DA00114
301	clique	2541047339	Clostridium sp.	Clostridium difficile DA00197
301	clique	2541047400	Clostridium sp.	Clostridium difficile P30
301	clique	2541047322	Clostridium sp.	Clostridium difficile DA00131
301	clique	2541047255	Clostridium sp.	Clostridium difficile CD8
301	clique	2541047259	Clostridium sp.	Clostridium difficile CD17
301	clique	2541047332	Clostridium sp.	Clostridium difficile DA00174
301	clique	2541047301	Clostridium sp.	Clostridium difficile CD181
301	clique	2541047272	Clostridium sp.	Clostridium difficile CD46

301	clique	2541047374	Clostridium sp.	Clostridium difficile Y231
301	clique	2541047396	Clostridium sp.	Clostridium difficile P25
301	clique	2541047260	Clostridium sp.	Clostridium difficile CD13
301	clique	2541047314	Clostridium sp.	Clostridium difficile DA00044
301	clique	2541047361	Clostridium sp.	Clostridium difficile F253
301	clique	2541047388	Clostridium sp.	Clostridium difficile P7
301	clique	2541047416	Clostridium sp.	Clostridium difficile P70
301	clique	2541047271	Clostridium sp.	Clostridium difficile CD47
301	clique	2541047265	Clostridium sp.	Clostridium difficile CD34
301	clique	2541047352	Clostridium sp.	Clostridium difficile DA00275
301	clique	2541047319	Clostridium sp.	Clostridium difficile DA00128
301	clique	2541047320	Clostridium sp.	Clostridium difficile DA00129
301	clique	2541047488	Clostridium sp.	Clostridium difficile CD196
301	clique	2541047257	Clostridium sp.	Clostridium difficile CD18
301	clique	2541047349	Clostridium sp.	Clostridium difficile DA00245
301	clique	2541047329	Clostridium sp.	Clostridium difficile DA00160
301	clique	2541047377	Clostridium sp.	Clostridium difficile Y307
301	clique	2541047291	Clostridium sp.	Clostridium difficile CD149
301	clique	2541047406	Clostridium sp.	Clostridium difficile P45
301	clique	2541047310	Clostridium sp.	Clostridium difficile 842
301	clique	2541047394	Clostridium difficile	Clostridium difficile P23
301	clique	2541047315	Clostridium difficile	Clostridium difficile DA00062
301	clique	2541047399	Clostridium difficile	Clostridium difficile P29
301	clique	2541047334	Clostridium difficile	Clostridium difficile DA00183
301	clique	2541047363	Clostridium difficile	Clostridium difficile F314
301	clique	2541047262	Clostridium difficile	Clostridium difficile CD39
301	clique	2541047512	Clostridium difficile	Clostridium difficile F525
301	clique	2541047340	Clostridium difficile	Clostridium difficile DA00211
301	clique	2512047057	Clostridium difficile	Clostridium difficile VPI 10463, ATCC 43255
301	clique	2541047370	Clostridium difficile	Clostridium difficile Y165
301	clique	2541047299	Clostridium difficile	Clostridium difficile CD175
301	clique	2541047418	Clostridium difficile	Clostridium difficile P71
301	clique	2541047312	Clostridium difficile	Clostridium difficile 6042
301	clique	2541047359	Clostridium difficile	Clostridium difficile DA00307
301	clique	641736218	Clostridium difficile	Clostridium difficile QCD-37x79, NAP1a/001
301	clique	2541047267	Clostridium difficile	Clostridium difficile CD42
301	clique	2541047350	Clostridium difficile	Clostridium difficile DA00246
301	clique	2541047411	Clostridium difficile	Clostridium difficile P51
301	clique	2541047342	Clostridium difficile	Clostridium difficile DA00210
301	clique	2547132211	Clostridium difficile	Clostridium difficile 6466
301	clique	2541047308	Clostridium difficile	Clostridium difficile 824
301	clique	2541047381	Clostridium difficile	Clostridium difficile Y358
301	clique	2526164710	Clostridium difficile	Clostridium difficile DSM 1296
301	clique	2541047276	Clostridium difficile	Clostridium difficile CD86
301	clique	2541047495	Clostridium difficile	Clostridium difficile P73
301	clique	2541047347	Clostridium sp.	Clostridium difficile DA00216
301	clique	2541047275	Clostridium difficile	Clostridium difficile CD88
301	clique	2541047412	Clostridium difficile	Clostridium difficile P78
301	clique	640069308	Clostridium difficile	Clostridium difficile 630 (epidemic type X)
301	clique	2541047268	Clostridium difficile	Clostridium difficile CD41
301	clique	2541047316	Clostridium difficile	Clostridium difficile DA00065
301	clique	2541047404	Clostridium difficile	Clostridium difficile P36
301	clique	2541047357	Clostridium difficile	Clostridium difficile F152
301	clique	641736216	Clostridium difficile	Clostridium difficile QCD-76w55, NAP1
301	clique	647000228	Clostridium difficile	Clostridium difficile NAP08
301	clique	2541047326	Clostridium difficile	Clostridium difficile DA00145
301	clique	2541047510	Clostridium difficile	Clostridium difficile F601
301	clique	2541047328	Clostridium difficile	Clostridium difficile DA00154
301	clique	2541047290	Clostridium difficile	Clostridium difficile CD132
301	clique	2541047366	Clostridium difficile	Clostridium difficile Y21
301	clique	2541047285	Clostridium difficile	Clostridium difficile CD113
301	clique	2541047490	Clostridium difficile	Clostridium difficile P1
301	clique	2541047306	Clostridium difficile	Clostridium difficile CD212
301	clique	2534681960	Clostridium difficile	Clostridium difficile 002-P50-2011
301	clique	2541047391	Clostridium difficile	Clostridium difficile P15
301	clique	2541047280	Clostridium difficile	Clostridium difficile CD92
301	clique	2541047297	Clostridium difficile	Clostridium difficile CD166
301	clique	2541047376	Clostridium difficile	Clostridium difficile Y270
301	clique	2541047336	Clostridium difficile	Clostridium difficile DA00193
301	clique	2537561695	Clostridium difficile	Clostridium difficile 70-100-2010
301	clique	2541047282	Clostridium sp.	Clostridium difficile CD109
301	clique	2541047368	Clostridium difficile	Clostridium difficile Y155
301	clique	2541047324	Clostridium difficile	Clostridium difficile DA00134
301	clique	647000226	Clostridium difficile	Clostridium difficile B19
301	clique	2541047403	Clostridium difficile	Clostridium difficile P38
301	clique	2541047355	Clostridium difficile	Clostridium difficile DA00256
301	clique	2541047385	Clostridium difficile	Clostridium difficile P3
301	clique	2541047287	Clostridium difficile	Clostridium difficile CD127
301	clique	2541047338	Clostridium difficile	Clostridium difficile DA00195
301	clique	2541047279	Clostridium difficile	Clostridium difficile CD68
301	clique	2541047345	Clostridium difficile	Clostridium difficile DA00238
301	clique	2541047408	Clostridium difficile	Clostridium difficile P50

301	clique	646311914	Clostridium difficile	Clostridium difficile CD196
301	clique	2541047398	Clostridium difficile	Clostridium difficile P32
301	clique	2541047401	Clostridium difficile	Clostridium difficile P31
301	clique	2541047304	Clostridium difficile	Clostridium difficile CD206
301	clique	2541047293	Clostridium difficile	Clostridium difficile CD133
301	clique	2541047379	Clostridium difficile	Clostridium difficile Y266
301	clique	2541047497	Clostridium difficile	Clostridium difficile P8
301	clique	2515154168	Clostridium difficile	Clostridium difficile ATCC 9689
301	clique	2541047414	Clostridium difficile	Clostridium difficile P61
301	clique	2541047421	Clostridium difficile	Clostridium difficile P77
301	clique	2541047371	Clostridium difficile	Clostridium difficile Y202
301	clique	641736217	Clostridium difficile	Clostridium difficile QCD-63q42
301	clique	2541047311	Clostridium difficile	Clostridium difficile 6041
301	clique	2541047387	Clostridium difficile	Clostridium difficile P6
301	clique	2541047261	Clostridium difficile	Clostridium difficile CD22
301	clique	2541047380	Clostridium difficile	Clostridium difficile Y343
301	clique	2541047353	Clostridium difficile	Clostridium difficile DA00261
301	clique	2541047294	Clostridium difficile	Clostridium difficile CD165
301	clique	2541047343	Clostridium difficile	Clostridium difficile DA00212
301	clique	2541047264	Clostridium difficile	Clostridium difficile CD38
301	clique	2541047513	Clostridium difficile	Clostridium difficile F480
301	clique	2541047367	Clostridium difficile	Clostridium difficile Y171
301	clique	2541047309	Clostridium difficile	Clostridium difficile 840
301	clique	2541047254	Clostridium difficile	Clostridium difficile CD3
301	clique	2541047331	Clostridium difficile	Clostridium difficile DA00165
301	clique	2541047258	Clostridium difficile	Clostridium difficile CD21
301	clique	2541047323	Clostridium difficile	Clostridium difficile DA00132
301	clique	2541047351	Clostridium difficile	Clostridium difficile DA00305
301	clique	2541047407	Clostridium difficile	Clostridium difficile P46
301	clique	2548876768	Clostridium difficile	Clostridium difficile CD37
301	clique	2541047395	Clostridium difficile	Clostridium difficile P24
301	clique	2541047390	Clostridium difficile	Clostridium difficile P13
301	clique	2541047389	Clostridium difficile	Clostridium difficile P9
301	clique	2541047410	Clostridium difficile	Clostridium difficile P48
301	clique	2541047298	Clostridium difficile	Clostridium difficile CD170
301	clique	2541047266	Clostridium difficile	Clostridium difficile CD44
301	clique	2541047277	Clostridium difficile	Clostridium difficile CD69
301	clique	2541047494	Clostridium difficile	Clostridium difficile P2
301	clique	2541047489	Clostridium difficile	Clostridium difficile 342
301	clique	2541047305	Clostridium difficile	Clostridium difficile CD211
301	clique	2547132210	Clostridium difficile	Clostridium difficile 6503
301	clique	2541047417	Clostridium sp.	Clostridium difficile P69
301	clique	2541047382	Clostridium sp.	Clostridium difficile Y381
301	clique	2541047288	Clostridium sp.	Clostridium difficile CD131
301	clique	2541047256	Clostridium sp.	Clostridium difficile CD9
301	clique	2541047321	Clostridium sp.	Clostridium difficile DA00141
301	clique	2541047307	Clostridium sp.	Clostridium difficile 655
301	clique	2541047318	Clostridium sp.	Clostridium difficile DA00126
301	clique	2541047369	Clostridium sp.	Clostridium difficile Y41
301	clique	2541047378	Clostridium sp.	Clostridium difficile Y247
301	clique	2541047302	Clostridium sp.	Clostridium difficile CD200
301	clique	2541047393	Clostridium sp.	Clostridium difficile P21
301	clique	2541047341	Clostridium sp.	Clostridium difficile DA00203
301	clique	2541047405	Clostridium sp.	Clostridium difficile P42
301	clique	2541047511	Clostridium sp.	Clostridium difficile F548
301	clique	2541047273	Clostridium sp.	Clostridium difficile CD45
301	clique	2541047263	Clostridium sp.	Clostridium difficile CD40
301	clique	2541047333	Clostridium sp.	Clostridium difficile DA00189
302	clique	2554235463	Serratia plymuthica	Serratia plymuthica S13
302	clique	2506520007	Serratia plymuthica	Serratia plymuthica AS9
302	clique	647000311	Serratia odorifera	Serratia odorifera 4Rx13
302	clique	2506520008	Serratia plymuthica	Serratia plymuthica AS12
302	clique	2506520009	Serratia plymuthica	Serratia plymuthica AS13
302	clique	2519899758	Serratia plymuthica	Serratia plymuthica A30
302	clique	2517572247	Serratia plymuthica	Serratia plymuthica RVH1
302	clique	2534682368	Serratia odorifera	Serratia odorifera 4Rx13
303	clique	646564542	Legionella pneumophila	Legionella pneumophila 2300/99 Alcoy
303	clique	637000146	Legionella pneumophila	Legionella pneumophila Lens
303	clique	2540341167	Legionella pneumophila	Legionella pneumophila pneumophila HL06041035
303	clique	2540341101	Legionella pneumophila	Legionella pneumophila pneumophila LPE509
303	clique	637000148	Legionella pneumophila	Legionella pneumophila pneumophila Philadelphia-1
303	clique	2554235362	Legionella pneumophila	Legionella pneumophila pneumophila Thunder Bay
303	clique	637000147	Legionella pneumophila	Legionella pneumophila Paris
303	clique	2541048005	Legionella pneumophila	Legionella pneumophila 121004
303	clique	2540341166	Legionella pneumophila	Legionella pneumophila pneumophila Lorraine
303	clique	650377956	Legionella pneumophila	Legionella pneumophila 130b
303	clique	640427119	Legionella pneumophila	Legionella pneumophila Corby
303	clique	2511231146	Legionella pneumophila	Legionella pneumophila pneumonophila 570-CO-H, ATCC 43290
304	clique	2513020048	Caldilinea aerophila	Caldilinea aerophila STL-6-01, DSM 14535
304	clique	2540341085	Caldilinea aerophila	Caldilinea aerophila STL-6-01, DSM 14535
305	clique	2517572209	Bacillus sp.	Bacillus sp. 95MFCvi2.1
305	clique	2537561969	Bacillus cereus	Bacillus cereus VDM021

305	clique	643886172	Bacillus pseudomycooides	Bacillus pseudomycooides DSM 12442
305	clique	2531839358	Bacillus cereus	Bacillus cereus VDM006
305	clique	643886174	Bacillus mycooides	Bacillus mycooides Rock1-4
305	clique	643886173	Bacillus mycooides	Bacillus mycooides Rock3-17
305	clique	2537561849	Bacillus cereus	Bacillus cereus VD136
305	clique	2517572206	Bacillus sp.	Bacillus sp. 105MF
306	clique	2523231084	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:17
306	clique	2521172660	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:110
306	clique	2521172670	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:18
307	clique-group	640753058	Vibrio harveyi	Vibrio harveyi BB120, ATCC BAA-1116
307	clique-group	640963010	Vibrio harveyi	Vibrio harveyi HY01
307	clique-group	2554235451	Vibrio campbellii	Vibrio campbellii ATCC BAA-1116
307	clique-group	2547132126	Vibrio campbellii	Vibrio campbellii DS40M4
307	clique-group	2537561638	Vibrio campbellii	Vibrio campbellii CAIM 519
308	clique	2501846301	Xanthomonas sp.	Xanthomonas sp. 5
308	clique	651324111	Xanthomonas vesicatoria	Xanthomonas vesicatoria Maraite, ATCC 35937
309	clique	2264867235	unclassified	Marinimicrobia bacterium JGI 0000039-O11 (TAsludge_001_161)
309	clique	2264867128	unclassified	Marinimicrobia bacterium JGI 0000090-C20 (Etoliko_001_259)
310	clique	2540341095	Pseudomonas poae	Pseudomonas poae RE*1-1-14
310	clique	2541047480	Pseudomonas fluorescens	Pseudomonas fluorescens BRIP34879
311	clique	648861002	Bacteroides sp.	Bacteroides sp. 3_1_19
311	clique	2534682208	Parabacteroides distasonis	Parabacteroides distasonis CL09T03C24
311	clique	646206279	Parabacteroides sp.	Parabacteroides sp. D13
311	clique	645058782	Bacteroides sp.	Bacteroides sp. 2_1_7
311	clique	640753039	Parabacteroides distasonis	Parabacteroides distasonis ATCC 8503
311	clique	647533112	Bacteroides sp.	Bacteroides sp. 2_1_33B
311	clique	648861001	Bacteroides sp.	Bacteroides sp. 20_3
311	clique	2534682209	Parabacteroides distasonis	Parabacteroides distasonis CL03T12C09
312	clique	2528768208	Paenibacillus barengoltzii	Paenibacillus barengoltzii J12
312	clique	2505679060	Paenibacillus barengoltzii	Paenibacillus barengoltzii J12
312	clique	2508501032	Paenibacillus sp.	Paenibacillus sp. J14
312	clique	2528768218	Paenibacillus sp.	Paenibacillus sp. J14
312	clique	2528768219	Paenibacillus sp.	Paenibacillus sp. J6
312	clique	2504756062	Paenibacillus sp.	Paenibacillus sp. J6
312	clique	2505679063	Paenibacillus sp.	Paenibacillus sp. J10
313	clique	645951866	Fusobacterium sp.	Fusobacterium sp. 3_1_5R
313	clique	645951804	Fusobacterium gonidiaformans	Fusobacterium gonidiaformans ATCC 25563
314	clique	2541047534	Vibrio parahaemolyticus	Vibrio parahaemolyticus VP232
314	clique	2541047537	Vibrio parahaemolyticus	Vibrio parahaemolyticus 3259
314	clique	2541047541	Vibrio parahaemolyticus	Vibrio parahaemolyticus 10290
314	clique	2541047532	Vibrio parahaemolyticus	Vibrio parahaemolyticus VP-NY4
314	clique	648276758	Vibrio parahaemolyticus	Vibrio parahaemolyticus Peru-466
314	clique	2541047530	Vibrio parahaemolyticus	Vibrio parahaemolyticus VP2007-095
314	clique	2554235022	Vibrio parahaemolyticus	Vibrio parahaemolyticus v110
314	clique	2541047543	Vibrio parahaemolyticus	Vibrio parahaemolyticus VPCR-2010
314	clique	648276756	Vibrio parahaemolyticus	Vibrio parahaemolyticus AQ4037
314	clique	2541047535	Vibrio parahaemolyticus	Vibrio parahaemolyticus VP250
314	clique	648276755	Vibrio parahaemolyticus	Vibrio parahaemolyticus AN-5034
314	clique	2534682055	Vibrio parahaemolyticus	Vibrio parahaemolyticus 10329
314	clique	2541047533	Vibrio parahaemolyticus	Vibrio parahaemolyticus NIHCB0603
314	clique	637000335	Vibrio parahaemolyticus	Vibrio parahaemolyticus RIMD 2210633
314	clique	2541047536	Vibrio parahaemolyticus	Vibrio parahaemolyticus 949
314	clique	2551306404	Vibrio parahaemolyticus	Vibrio parahaemolyticus SNUVpS-1
314	clique	648276757	Vibrio parahaemolyticus	Vibrio parahaemolyticus K5030
314	clique	2551306507	Vibrio parahaemolyticus	Vibrio parahaemolyticus PCV08-7
314	clique	640963009	Vibrio parahaemolyticus	Vibrio parahaemolyticus AQ3810
315	clique	2554235112	Clostridium tyrobutyricum	Clostridium tyrobutyricum DSM 2637
315	clique	2551306367	Clostridium tyrobutyricum	Clostridium tyrobutyricum UC7086
315	clique	2523533604	Clostridium tyrobutyricum	Clostridium tyrobutyricum DSM 2637
315	clique	2554235038	Clostridium tyrobutyricum	Clostridium tyrobutyricum DSM 2637
316	clique	2534682140	Vibrio alginolyticus	Vibrio alginolyticus E0666
316	clique	646311966	Vibrio sp.	Vibrio sp. Ex25
316	clique	2545555817	Vibrio sp.	Vibrio sp. Ex25
317	clique	2503982008	Staphylococcus epidermidis	Staphylococcus epidermidis 1c01
317	clique	2534681825	Staphylococcus epidermidis	Staphylococcus epidermidis BVS058A4
317	clique	2529292788	Staphylococcus epidermidis	Staphylococcus epidermidis VCU028
317	clique	2534681925	Staphylococcus epidermidis	Staphylococcus epidermidis FRI909
317	clique	2503982021	Staphylococcus epidermidis	Staphylococcus epidermidis 6b04
317	clique	2540341003	Staphylococcus epidermidis	Staphylococcus epidermidis NIH051668
317	clique	2534681728	Staphylococcus epidermidis	Staphylococcus epidermidis VCU045
317	clique	2545824754	Staphylococcus epidermidis	Staphylococcus epidermidis 528m
317	clique	2529292800	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM021
317	clique	2534681813	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM067
317	clique	2531839341	Staphylococcus epidermidis	Staphylococcus epidermidis VCU144
317	clique	2534681881	Staphylococcus epidermidis	Staphylococcus epidermidis NIH05001
317	clique	2503982025	Staphylococcus epidermidis	Staphylococcus epidermidis 7b05
317	clique	2503982018	Staphylococcus epidermidis	Staphylococcus epidermidis 5a02
317	clique	2534681727	Staphylococcus epidermidis	Staphylococcus epidermidis VCU041
317	clique	2529292786	Staphylococcus epidermidis	Staphylococcus epidermidis VCU037
317	clique	2540341007	Staphylococcus epidermidis	Staphylococcus epidermidis VCU126
317	clique	2534681733	Staphylococcus epidermidis	Staphylococcus epidermidis VCU107
317	clique	2537561791	Staphylococcus epidermidis	Staphylococcus epidermidis VCU065

317	clique	2540341001	Staphylococcus epidermidis	Staphylococcus epidermidis NIH05003
317	clique	2534681883	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM001
317	clique	2529292807	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM049
317	clique	2529292805	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM039
317	clique	637000281	Staphylococcus epidermidis	Staphylococcus epidermidis ATCC 12228
317	clique	2534681887	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM018
317	clique	2534681731	Staphylococcus epidermidis	Staphylococcus epidermidis VCU081
317	clique	2540341022	Staphylococcus epidermidis	Staphylococcus epidermidis VCU117
317	clique	2534681880	Staphylococcus epidermidis	Staphylococcus epidermidis NIH04008
317	clique	647000323	Staphylococcus epidermidis	Staphylococcus epidermidis M23864:W2(grey)
317	clique	2551306403	Staphylococcus epidermidis	Staphylococcus epidermidis 12142587
317	clique	2503982032	Staphylococcus epidermidis	Staphylococcus epidermidis LM134
317	clique	2503982009	Staphylococcus epidermidis	Staphylococcus epidermidis 2a01
317	clique	2503982024	Staphylococcus epidermidis	Staphylococcus epidermidis 7a07
317	clique	2534681885	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM008
317	clique	2534681812	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM088
317	clique	2545824753	Staphylococcus epidermidis	Staphylococcus epidermidis 41tr
317	clique	2540341002	Staphylococcus epidermidis	Staphylococcus epidermidis NIH04003
317	clique	2503982016	Staphylococcus epidermidis	Staphylococcus epidermidis 3c10
317	clique	2529292812	Staphylococcus epidermidis	Staphylococcus epidermidis VCU128
317	clique	2529292804	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM040
317	clique	2531839345	Staphylococcus epidermidis	Staphylococcus epidermidis VCU125
317	clique	2503982019	Staphylococcus epidermidis	Staphylococcus epidermidis 5b11
317	clique	2554235118	Staphylococcus epidermidis	Staphylococcus epidermidis UC7032
317	clique	2540341005	Staphylococcus epidermidis	Staphylococcus epidermidis NIH08001
317	clique	2503982007	Staphylococcus epidermidis	Staphylococcus epidermidis 1a04
317	clique	2503982030	Staphylococcus epidermidis	Staphylococcus epidermidis LM127
317	clique	2540341020	Staphylococcus epidermidis	Staphylococcus epidermidis VCU120
317	clique	2541047104	Staphylococcus epidermidis	Staphylococcus epidermidis E13A
317	clique	2503982027	Staphylococcus epidermidis	Staphylococcus epidermidis 9d06
317	clique	2531839088	Staphylococcus aureus	Staphylococcus aureus aureus IS-250
317	clique	2531839639	Staphylococcus aureus	Staphylococcus aureus aureus IS-K
317	clique	2545824751	Staphylococcus epidermidis	Staphylococcus epidermidis 36-1
317	clique	2503982012	Staphylococcus epidermidis	Staphylococcus epidermidis 2d12
317	clique	2503982022	Staphylococcus epidermidis	Staphylococcus epidermidis 6c06
317	clique	2534681884	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM003
317	clique	2534681729	Staphylococcus epidermidis	Staphylococcus epidermidis VCU057
317	clique	2531839344	Staphylococcus epidermidis	Staphylococcus epidermidis VCU127
317	clique	2503982017	Staphylococcus epidermidis	Staphylococcus epidermidis 3d11
317	clique	2503982014	Staphylococcus epidermidis	Staphylococcus epidermidis 3a11
317	clique	2529292802	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM037
317	clique	2529292798	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM057
317	clique	2531839342	Staphylococcus epidermidis	Staphylococcus epidermidis VCU129
317	clique	2534681814	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM070
317	clique	2503982026	Staphylococcus epidermidis	Staphylococcus epidermidis 9d05
317	clique	2534681882	Staphylococcus epidermidis	Staphylococcus epidermidis NIH05005
317	clique	2540341006	Staphylococcus epidermidis	Staphylococcus epidermidis NIH06004
317	clique	2540341004	Staphylococcus epidermidis	Staphylococcus epidermidis NIH051475
317	clique	2540341021	Staphylococcus epidermidis	Staphylococcus epidermidis VCU118
317	clique	2534681732	Staphylococcus epidermidis	Staphylococcus epidermidis VCU105
317	clique	645058851	Staphylococcus epidermidis	Staphylococcus epidermidis W23144
317	clique	2503982031	Staphylococcus epidermidis	Staphylococcus epidermidis LM129
317	clique	2529292797	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM061
317	clique	2503982023	Staphylococcus epidermidis	Staphylococcus epidermidis 6d05
317	clique	647000324	Staphylococcus epidermidis	Staphylococcus epidermidis SK135
317	clique	645058812	Staphylococcus epidermidis	Staphylococcus epidermidis BCM-HMP0060
317	clique	2519899578	Staphylococcus epidermidis	Staphylococcus epidermidis AU12-03
317	clique	2534681811	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM087
317	clique	2534681809	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM095
317	clique	2529292803	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM023
317	clique	2503982015	Staphylococcus epidermidis	Staphylococcus epidermidis 3c09
317	clique	2534681730	Staphylococcus epidermidis	Staphylococcus epidermidis VCU071
317	clique	2534681987	Staphylococcus epidermidis	Staphylococcus epidermidis 14.1.R1.SE
317	clique	2503982020	Staphylococcus epidermidis	Staphylococcus epidermidis 5c01
317	clique	2540341023	Staphylococcus epidermidis	Staphylococcus epidermidis VCU123
317	clique	2534681886	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM015
317	clique	2503904015	Staphylococcus epidermidis	Staphylococcus epidermidis 6a01
317	clique	2529292806	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM053
317	clique	2529292801	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM020
317	clique	2503982013	Staphylococcus epidermidis	Staphylococcus epidermidis 2g06
317	clique	637000282	Staphylococcus epidermidis	Staphylococcus epidermidis RP62A
317	clique	2534681888	Staphylococcus epidermidis	Staphylococcus epidermidis NIHLM031
317	clique	2503982029	Staphylococcus epidermidis	Staphylococcus epidermidis 9e06
318	clique	2228664007	Pseudomonas sp.	Pseudomonas sp. KD5
318	clique	2519899642	Pseudomonas sp.	Pseudomonas sp. 45MFC03.1
318	clique	2517572232	Pseudomonas umsongensis	Pseudomonas umsongensis 20MFCv1.1
318	clique	2521172653	Pseudomonas mandelii	Pseudomonas mandelii 36MFCv1.1
318	clique	2521172667	Pseudomonas sp.	Pseudomonas sp. 35MFCv1.1
318	clique	2518645597	Pseudomonas sp.	Pseudomonas sp. URM017WK12:16
319	clique	2524614858	Desulfotomaculum guttoideum	Desulfotomaculum guttoideum DSM 4024
319	clique	2524614838	Clostridium indolis	Clostridium indolis DSM 755
319	clique	2526164529	Clostridium methoxybenzovorans	Clostridium methoxybenzovorans SR3, DSM 12182

320	clique	640963061	Listeria monocytogenes	Listeria monocytogenes F6900
320	clique	2511231203	Listeria monocytogenes	Listeria monocytogenes Finland 1988
320	clique	2540341143	Listeria monocytogenes	Listeria monocytogenes SLCC 7179
320	clique	2554235373	Listeria monocytogenes	Listeria monocytogenes N53-1
320	clique	646311942	Listeria monocytogenes	Listeria monocytogenes 08-5923
320	clique	640963063	Listeria monocytogenes	Listeria monocytogenes J2818
320	clique	2540341111	Listeria monocytogenes	Listeria monocytogenes SLCC2479
320	clique	2526164705	Listeria monocytogenes	Listeria monocytogenes serotype 1/2c SLCC 2372
320	clique	2511231190	Listeria monocytogenes	Listeria monocytogenes J0161, FSL R2-499
320	clique	2511231174	Listeria monocytogenes	Listeria monocytogenes 104035
320	clique	638341117	Listeria monocytogenes	Listeria monocytogenes 1/2a F6854
320	clique	2551306570	Listeria monocytogenes	Listeria monocytogenes serotype 1/2a NCCP No. 15743
320	clique	646311941	Listeria monocytogenes	Listeria monocytogenes 08-5578
320	clique	2511231184	Listeria monocytogenes	Listeria monocytogenes FSL R2-561
320	clique	637000153	Listeria monocytogenes	Listeria monocytogenes EGD-e
320	clique	2554235372	Listeria monocytogenes	Listeria monocytogenes La111
320	clique	2540341110	Listeria monocytogenes	Listeria monocytogenes SLCC5850
320	clique	640963060	Listeria monocytogenes	Listeria monocytogenes FSL N3-165
321	clique	2540341036	Pseudoalteromonas sp.	Pseudoalteromonas sp. Bsw20308
321	clique	2540341037	Pseudoalteromonas sp.	Pseudoalteromonas sp. BSI20495
322	clique	2517572245	Variovorax paradoxus	Variovorax paradoxus 4MFCol3.1
322	clique	644736413	Variovorax paradoxus	Variovorax paradoxus S110
323	clique	637000136	Idiomarina loihiensis	Idiomarina loihiensis L2TR
323	clique	2554235415	Idiomarina loihiensis	Idiomarina loihiensis GSL 199
324	clique	641736151	Burkholderia graminis	Burkholderia graminis C4D1M
324	clique	2522572104	Burkholderia sp.	Burkholderia sp. URHA0054
325	clique	2537561793	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-035
325	clique	2554235161	Streptococcus agalactiae	Streptococcus agalactiae MC624
325	clique	2529293230	Streptococcus agalactiae	Streptococcus agalactiae GB00083
325	clique	2531839062	Streptococcus agalactiae	Streptococcus agalactiae GB00245
325	clique	2534682151	Streptococcus agalactiae	Streptococcus agalactiae GB00174
325	clique	2534682150	Streptococcus agalactiae	Streptococcus agalactiae GB00097
325	clique	2531839393	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-25
325	clique	2548876873	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-654
325	clique	2548876882	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-128
325	clique	2531839173	Streptococcus agalactiae	Streptococcus agalactiae GB000874
325	clique	2519103120	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-17
325	clique	2534682319	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-268
325	clique	2548876886	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-202
325	clique	2548876896	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-218
325	clique	2534682073	Streptococcus agalactiae	Streptococcus agalactiae 1003A
325	clique	2534681686	Streptococcus agalactiae	Streptococcus agalactiae 19247
325	clique	2529293176	Streptococcus agalactiae	Streptococcus agalactiae BSU108
325	clique	2534682008	Streptococcus agalactiae	Streptococcus agalactiae LMG 15095
325	clique	2531839241	Streptococcus agalactiae	Streptococcus agalactiae GB00929
325	clique	2518285604	Streptococcus agalactiae	Streptococcus agalactiae SA20-06 (Streptococcus agalactiae SA20-06)
325	clique	2548876892	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-206
325	clique	2529293092	Streptococcus agalactiae	Streptococcus agalactiae CCUG 37737
325	clique	2537561539	Streptococcus agalactiae	Streptococcus agalactiae GB000897
325	clique	2534682068	Streptococcus agalactiae	Streptococcus agalactiae LDS 610
325	clique	2537561614	Streptococcus agalactiae	Streptococcus agalactiae GB00955
325	clique	2529293238	Streptococcus agalactiae	Streptococcus agalactiae 992B
325	clique	2551306446	Streptococcus agalactiae	Streptococcus agalactiae SGBS014
325	clique	2534682149	Streptococcus agalactiae	Streptococcus agalactiae GB00111
325	clique	2548876879	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-229
325	clique	2529293134	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-049
325	clique	2554235168	Streptococcus agalactiae	Streptococcus agalactiae MC627
325	clique	2529293232	Streptococcus agalactiae	Streptococcus agalactiae GB00020
325	clique	2531839117	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-170
325	clique	2534682114	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-13
325	clique	2551306440	Streptococcus agalactiae	Streptococcus agalactiae SGBS029
325	clique	2529293181	Streptococcus agalactiae	Streptococcus agalactiae BSU96
325	clique	2540341027	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-022
325	clique	2537561542	Streptococcus agalactiae	Streptococcus agalactiae GB00911
325	clique	2534682245	Streptococcus agalactiae	Streptococcus agalactiae GB00561
325	clique	2531839120	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-090
325	clique	2529293088	Streptococcus agalactiae	Streptococcus agalactiae CCUG 38383
325	clique	2531839167	Streptococcus agalactiae	Streptococcus agalactiae GB00865
325	clique	2548876898	Streptococcus agalactiae	Streptococcus agalactiae GB00919
325	clique	2531839175	Streptococcus agalactiae	Streptococcus agalactiae GB00891
325	clique	2534682066	Streptococcus agalactiae	Streptococcus agalactiae LDS 623
325	clique	2534682189	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-501
325	clique	2531839170	Streptococcus agalactiae	Streptococcus agalactiae GB00884
325	clique	2529292982	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-24
325	clique	2534682153	Streptococcus agalactiae	Streptococcus agalactiae GB00202
325	clique	638341204	Streptococcus agalactiae	Streptococcus agalactiae CJB111, ATCC BAA-23
325	clique	2537561612	Streptococcus agalactiae	Streptococcus agalactiae GB00975
325	clique	2551306444	Streptococcus agalactiae	Streptococcus agalactiae SGBS016
325	clique	2534682013	Streptococcus agalactiae	Streptococcus agalactiae LMG 15085
325	clique	2554235418	Streptococcus agalactiae	Streptococcus agalactiae ILRI005
325	clique	2551306451	Streptococcus agalactiae	Streptococcus agalactiae SGBS030
325	clique	2548876877	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-608

325	clique	2551306434	Streptococcus agalactiae	Streptococcus agalactiae SGB5015
325	clique	2534682147	Streptococcus agalactiae	Streptococcus agalactiae GB00092
325	clique	2531839061	Streptococcus agalactiae	Streptococcus agalactiae GB00241
325	clique	2548876901	Streptococcus agalactiae	Streptococcus agalactiae GB00957
325	clique	2529293094	Streptococcus agalactiae	Streptococcus agalactiae CCUG 44077
325	clique	2529293179	Streptococcus agalactiae	Streptococcus agalactiae BSU92
325	clique	2531839395	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-27
325	clique	2548876880	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-043
325	clique	2529293234	Streptococcus agalactiae	Streptococcus agalactiae GB00013
325	clique	2531839119	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-337
325	clique	2531839066	Streptococcus agalactiae	Streptococcus agalactiae GB00300
325	clique	2534682112	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-09
325	clique	2537561537	Streptococcus agalactiae	Streptococcus agalactiae GB00893
325	clique	2531839396	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-28
325	clique	2534682251	Streptococcus agalactiae	Streptococcus agalactiae GB00601
325	clique	2548876902	Streptococcus agalactiae	Streptococcus agalactiae GB00954
325	clique	2529293128	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-209
325	clique	2534682247	Streptococcus agalactiae	Streptococcus agalactiae GB00555
325	clique	2548876907	Streptococcus agalactiae	Streptococcus agalactiae GB01004
325	clique	2534682065	Streptococcus agalactiae	Streptococcus agalactiae LDS 628
325	clique	2554235174	Streptococcus agalactiae	Streptococcus agalactiae MC629
325	clique	638341206	Streptococcus agalactiae	Streptococcus agalactiae H36B, ATCC BAA-1174
325	clique	2534682191	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-277
325	clique	2531839166	Streptococcus agalactiae	Streptococcus agalactiae GB00864
325	clique	2529292943	Streptococcus agalactiae	Streptococcus agalactiae GB00112
325	clique	2529293235	Streptococcus agalactiae	Streptococcus agalactiae GB00002
325	clique	2548876881	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-027
325	clique	2534682280	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-22
325	clique	2534682322	Streptococcus agalactiae	Streptococcus agalactiae CCUG 24810
325	clique	2531839169	Streptococcus agalactiae	Streptococcus agalactiae GB00679
325	clique	2540341026	Streptococcus agalactiae	Streptococcus agalactiae LMG 14609
325	clique	2534682067	Streptococcus agalactiae	Streptococcus agalactiae LDS 617
325	clique	2534682248	Streptococcus agalactiae	Streptococcus agalactiae GB00651
325	clique	2548876904	Streptococcus agalactiae	Streptococcus agalactiae GB00965
325	clique	2537561535	Streptococcus agalactiae	Streptococcus agalactiae GB00909
325	clique	2554235163	Streptococcus agalactiae	Streptococcus agalactiae MC623
325	clique	2551306435	Streptococcus agalactiae	Streptococcus agalactiae SGB5025
325	clique	2531839243	Streptococcus agalactiae	Streptococcus agalactiae GB00933
325	clique	638341203	Streptococcus agalactiae	Streptococcus agalactiae 515, ATCC BAA-1177
325	clique	2537561741	Streptococcus agalactiae	Streptococcus agalactiae Gottschalk 13227
325	clique	2531839121	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-023
325	clique	2534682315	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-003
325	clique	2548876874	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-077
325	clique	2554235172	Streptococcus agalactiae	Streptococcus agalactiae MC631
325	clique	2529293130	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-212
325	clique	2537561610	Streptococcus agalactiae	Streptococcus agalactiae GB00986
325	clique	2534682190	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-105
325	clique	2534682012	Streptococcus agalactiae	Streptococcus agalactiae LMG 15091
325	clique	2531839164	Streptococcus agalactiae	Streptococcus agalactiae FSL C1-487
325	clique	2534682010	Streptococcus agalactiae	Streptococcus agalactiae LMG 15093
325	clique	2541047253	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-038
325	clique	2548876884	Streptococcus agalactiae	Streptococcus agalactiae FSL F2-338
325	clique	2534682006	Streptococcus agalactiae	Streptococcus agalactiae BSU442
325	clique	2529293174	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-198
325	clique	2537562151	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-214
325	clique	2554235167	Streptococcus agalactiae	Streptococcus agalactiae MC628
325	clique	2531839171	Streptococcus agalactiae	Streptococcus agalactiae GB00887
325	clique	2534682317	Streptococcus agalactiae	Streptococcus agalactiae FSL F2-343
325	clique	2537561538	Streptococcus agalactiae	Streptococcus agalactiae GB00899
325	clique	2548876888	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-201
325	clique	2529293086	Streptococcus agalactiae	Streptococcus agalactiae CCUG 37741
325	clique	2534682156	Streptococcus agalactiae	Streptococcus agalactiae GB00206
325	clique	2534682070	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-217
325	clique	2554235159	Streptococcus agalactiae	Streptococcus agalactiae MC621
325	clique	2554235160	Streptococcus agalactiae	Streptococcus agalactiae MC626
325	clique	2548876893	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-29
325	clique	2554235116	Streptococcus agalactiae	Streptococcus agalactiae PR06
325	clique	2548876891	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-204
325	clique	2548876906	Streptococcus agalactiae	Streptococcus agalactiae GB01003
325	clique	2537561940	Streptococcus agalactiae	Streptococcus agalactiae ATCC 13813
325	clique	2551306431	Streptococcus agalactiae	Streptococcus agalactiae SGB5026
325	clique	2534682193	Streptococcus agalactiae	Streptococcus agalactiae FSL C1-494
325	clique	2531839123	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-102
325	clique	2554235165	Streptococcus agalactiae	Streptococcus agalactiae MC625
325	clique	2531839245	Streptococcus agalactiae	Streptococcus agalactiae GB00923
325	clique	2529293132	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-039
325	clique	2531839057	Streptococcus agalactiae	Streptococcus agalactiae GB00543
325	clique	2551306438	Streptococcus agalactiae	Streptococcus agalactiae SGB5022
325	clique	2534682007	Streptococcus agalactiae	Streptococcus agalactiae BSU450
325	clique	2551306442	Streptococcus agalactiae	Streptococcus agalactiae SGB5004
325	clique	2554235416	Streptococcus agalactiae	Streptococcus agalactiae 09mas018883
325	clique	2537561738	Streptococcus agalactiae	Streptococcus agalactiae Gottschalk 999B

325	clique	2534682009	Streptococcus agalactiae	Streptococcus agalactiae LMG 15094
325	clique	2529293091	Streptococcus agalactiae	Streptococcus agalactiae CCUG 37430
325	clique	2537561536	Streptococcus agalactiae	Streptococcus agalactiae GB00904
325	clique	2551306433	Streptococcus agalactiae	Streptococcus agalactiae SGBS007
325	clique	2534682014	Streptococcus agalactiae	Streptococcus agalactiae BSU188
325	clique	2529293180	Streptococcus agalactiae	Streptococcus agalactiae BSU178
325	clique	2548876878	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-222
325	clique	2529293135	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-215
325	clique	2531839240	Streptococcus agalactiae	Streptococcus agalactiae GB00947
325	clique	2534682069	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-219
325	clique	2551306445	Streptococcus agalactiae	Streptococcus agalactiae SGBS020
325	clique	2529293237	Streptococcus agalactiae	Streptococcus agalactiae 1005B
325	clique	2531839065	Streptococcus agalactiae	Streptococcus agalactiae GB00279
325	clique	2548876895	Streptococcus agalactiae	Streptococcus agalactiae CCUG 34230
325	clique	2534682320	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-137
325	clique	2529293231	Streptococcus agalactiae	Streptococcus agalactiae GB00018
325	clique	2551306429	Streptococcus agalactiae	Streptococcus agalactiae SGBS027
325	clique	2534682243	Streptococcus agalactiae	Streptococcus agalactiae GB00653
325	clique	2531839118	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-603
325	clique	2531839063	Streptococcus agalactiae	Streptococcus agalactiae GB00247
325	clique	2529293089	Streptococcus agalactiae	Streptococcus agalactiae CCUG 39096 A
325	clique	2531839168	Streptococcus agalactiae	Streptococcus agalactiae GB00663
325	clique	2548876887	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-203
325	clique	2534682318	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-442
325	clique	2548876883	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-568
325	clique	2548876897	Streptococcus agalactiae	Streptococcus agalactiae GB00900
325	clique	2529293177	Streptococcus agalactiae	Streptococcus agalactiae BSU167
325	clique	2534682244	Streptococcus agalactiae	Streptococcus agalactiae GB00588
325	clique	2534682148	Streptococcus agalactiae	Streptococcus agalactiae GB00084
325	clique	2531839251	Streptococcus agalactiae	Streptococcus agalactiae Gottschalk 1002A
325	clique	2548876876	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-034
325	clique	2531839242	Streptococcus agalactiae	Streptococcus agalactiae GB00932
325	clique	2551306443	Streptococcus agalactiae	Streptococcus agalactiae SGBS006
325	clique	2529293093	Streptococcus agalactiae	Streptococcus agalactiae CCUG 37738
325	clique	2531839060	Streptococcus agalactiae	Streptococcus agalactiae GB00226
325	clique	2548876899	Streptococcus agalactiae	Streptococcus agalactiae GB00940
325	clique	637000286	Streptococcus agalactiae	Streptococcus agalactiae A909, ATCC BAA-1138
325	clique	2529293178	Streptococcus agalactiae	Streptococcus agalactiae BSU165
325	clique	2537561792	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-023
325	clique	2554235417	Streptococcus agalactiae	Streptococcus agalactiae ILRI112
325	clique	2537561534	Streptococcus agalactiae	Streptococcus agalactiae GB00901
325	clique	2531839394	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-26
325	clique	2529293233	Streptococcus agalactiae	Streptococcus agalactiae GB00012
325	clique	2548876900	Streptococcus agalactiae	Streptococcus agalactiae GB00951
325	clique	2531839067	Streptococcus agalactiae	Streptococcus agalactiae GB00535
325	clique	2554235169	Streptococcus agalactiae	Streptococcus agalactiae MC632
325	clique	2534682323	Streptococcus agalactiae	Streptococcus agalactiae CCUG 19094
325	clique	2537561541	Streptococcus agalactiae	Streptococcus agalactiae GB00914
325	clique	2531839058	Streptococcus agalactiae	Streptococcus agalactiae GB00548
325	clique	2534682246	Streptococcus agalactiae	Streptococcus agalactiae GB00557
325	clique	2529293087	Streptococcus agalactiae	Streptococcus agalactiae CCUG 37742
325	clique	2537562122	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-07
325	clique	2554235162	Streptococcus agalactiae	Streptococcus agalactiae GBS11
325	clique	2529292814	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-026
325	clique	2534682152	Streptococcus agalactiae	Streptococcus agalactiae GB00115
325	clique	2531839392	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-21
325	clique	2534681726	Streptococcus agalactiae	Streptococcus agalactiae BSU247
325	clique	2531839165	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-586
325	clique	2537561613	Streptococcus agalactiae	Streptococcus agalactiae GB00959
325	clique	2540341025	Streptococcus agalactiae	Streptococcus agalactiae LMG 14838
325	clique	2534682192	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-251
325	clique	2531839122	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-014
325	clique	2548876903	Streptococcus agalactiae	Streptococcus agalactiae GB00963
325	clique	2537561611	Streptococcus agalactiae	Streptococcus agalactiae GB00984
325	clique	2551306437	Streptococcus agalactiae	Streptococcus agalactiae SGBS021
325	clique	2529293131	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-213
325	clique	637000287	Streptococcus agalactiae	Streptococcus agalactiae NEM316
325	clique	2551306436	Streptococcus agalactiae	Streptococcus agalactiae SGBS001
325	clique	2531839244	Streptococcus agalactiae	Streptococcus agalactiae GB00922
325	clique	2551306430	Streptococcus agalactiae	Streptococcus agalactiae SGBS003
325	clique	2519899547	Streptococcus agalactiae	Streptococcus agalactiae GD201008-001
325	clique	2534682250	Streptococcus agalactiae	Streptococcus agalactiae GB00614
325	clique	2534682071	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-216
325	clique	2537561742	Streptococcus agalactiae	Streptococcus agalactiae Gottschalk 2864
325	clique	2534682314	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-005
325	clique	2531839397	Streptococcus agalactiae	Streptococcus agalactiae LMG 14608
325	clique	2531839172	Streptococcus agalactiae	Streptococcus agalactiae GB00867
325	clique	2537561739	Streptococcus agalactiae	Streptococcus agalactiae Gottschalk 31825
325	clique	637000285	Streptococcus agalactiae	Streptococcus agalactiae 2603V/R
325	clique	2534682249	Streptococcus agalactiae	Streptococcus agalactiae GB00640
325	clique	2534682064	Streptococcus agalactiae	Streptococcus agalactiae CCUG 49072
325	clique	2534682281	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-23

325	clique	2534682154	Streptococcus agalactiae	Streptococcus agalactiae GB00190
325	clique	2554235173	Streptococcus agalactiae	Streptococcus agalactiae MC634
325	clique	2554235158	Streptococcus agalactiae	Streptococcus agalactiae GBS10
325	clique	2531839163	Streptococcus agalactiae	Streptococcus agalactiae ZQ0910
325	clique	2529293236	Streptococcus agalactiae	Streptococcus agalactiae GB00003
325	clique	2540341030	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-012
325	clique	2551306441	Streptococcus agalactiae	Streptococcus agalactiae SGBS005
325	clique	2548876905	Streptococcus agalactiae	Streptococcus agalactiae GB00999
325	clique	2548876890	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-01
325	clique	2551306439	Streptococcus agalactiae	Streptococcus agalactiae SGBS010
325	clique	2529293133	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-048
325	clique	2551306432	Streptococcus agalactiae	Streptococcus agalactiae SGBS002
325	clique	2537561740	Streptococcus agalactiae	Streptococcus agalactiae Gottschalk 998A
325	clique	2531839246	Streptococcus agalactiae	Streptococcus agalactiae GB00924
325	clique	2554235166	Streptococcus agalactiae	Streptococcus agalactiae GBS12
325	clique	2529293090	Streptococcus agalactiae	Streptococcus agalactiae CCUG 25532
325	clique	2529293095	Streptococcus agalactiae	Streptococcus agalactiae CCUG 49087
325	clique	2534682011	Streptococcus agalactiae	Streptococcus agalactiae LMG 15092
325	clique	2548876875	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-062
325	clique	2529293229	Streptococcus agalactiae	Streptococcus agalactiae GB00082
325	clique	2541047252	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-024
325	clique	2537561794	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-025
325	clique	2529293175	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-199
325	clique	2534682113	Streptococcus agalactiae	Streptococcus agalactiae STIR-CD-14
325	clique	2548876889	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-205
325	clique	2534682316	Streptococcus agalactiae	Streptococcus agalactiae FSL S3-001
325	clique	2548876885	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-200
325	clique	2531839174	Streptococcus agalactiae	Streptococcus agalactiae GB00888
325	clique	2529293129	Streptococcus agalactiae	Streptococcus agalactiae MRI Z1-211
325	clique	2534682155	Streptococcus agalactiae	Streptococcus agalactiae GB00219
325	clique	638341205	Streptococcus agalactiae	Streptococcus agalactiae COH1, ATCC BAA-1176
325	clique	2534682242	Streptococcus agalactiae	Streptococcus agalactiae GB00654
325	clique	2537561609	Streptococcus agalactiae	Streptococcus agalactiae GB00992
325	clique	2531839064	Streptococcus agalactiae	Streptococcus agalactiae GB00264
326	clique	2513237247	Chlamydia trachomatis	Chlamydia trachomatis F/SW4
326	clique	644736344	Chlamydia trachomatis	Chlamydia trachomatis L2b/UCH-1/proctitis
326	clique	645058818	Chlamydia trachomatis	Chlamydia trachomatis sv F, 70
326	clique	637000063	Chlamydia trachomatis	Chlamydia trachomatis A/HAR-13
326	clique	2540341060	Chlamydia trachomatis	Chlamydia trachomatis D/SotonD5
326	clique	646862317	Chlamydia trachomatis	Chlamydia trachomatis G/9301
326	clique	2554235331	Chlamydia trachomatis	Chlamydia trachomatis RC-JL2s3
326	clique	2554235328	Chlamydia trachomatis	Chlamydia trachomatis RC-Fs852
326	clique	645058820	Chlamydia trachomatis	Chlamydia trachomatis sv J, 6276
326	clique	2554235384	Chlamydia trachomatis	Chlamydia trachomatis IU888
326	clique	2522572199	Chlamydia trachomatis	Chlamydia trachomatis L1/1322/p2
326	clique	644736341	Chlamydia trachomatis	Chlamydia trachomatis L2/434/BU
326	clique	2554235333	Chlamydia trachomatis	Chlamydia trachomatis RC-Js122
326	clique	2522572200	Chlamydia trachomatis	Chlamydia trachomatis A/7249
326	clique	646862314	Chlamydia trachomatis	Chlamydia trachomatis E/150
326	clique	2540341140	Chlamydia trachomatis	Chlamydia trachomatis L1/440/LN
326	clique	646862312	Chlamydia trachomatis	Chlamydia trachomatis D-LC
326	clique	2554235335	Chlamydia trachomatis	Chlamydia trachomatis J6276tet1
326	clique	2513237243	Chlamydia trachomatis	Chlamydia trachomatis E/SW3
326	clique	646862318	Chlamydia trachomatis	Chlamydia trachomatis G/9768
326	clique	644736342	Chlamydia trachomatis	Chlamydia trachomatis B/Jali20/OT
326	clique	650716021	Chlamydia trachomatis	Chlamydia trachomatis L2c
326	clique	646862311	Chlamydia trachomatis	Chlamydia trachomatis D-EC
326	clique	646862316	Chlamydia trachomatis	Chlamydia trachomatis G/11222
326	clique	2554235330	Chlamydia trachomatis	Chlamydia trachomatis RC-J953
326	clique	2554235326	Chlamydia trachomatis	Chlamydia trachomatis RC-F69
326	clique	645058821	Chlamydia trachomatis	Chlamydia trachomatis sv J, 6276s
326	clique	637000064	Chlamydia trachomatis	Chlamydia trachomatis D/UW-3/CX (sv D)
326	clique	2554235332	Chlamydia trachomatis	Chlamydia trachomatis RC-Fs342
326	clique	2554235329	Chlamydia trachomatis	Chlamydia trachomatis RC-J943
326	clique	648276629	Chlamydia trachomatis	Chlamydia trachomatis L2tet1
326	clique	2511231082	Chlamydia trachomatis	Chlamydia trachomatis A2497
326	clique	644736343	Chlamydia trachomatis	Chlamydia trachomatis B/TZ1A828/OT
326	clique	2554235334	Chlamydia trachomatis	Chlamydia trachomatis RC-J966
326	clique	646862315	Chlamydia trachomatis	Chlamydia trachomatis G/11074
326	clique	646862313	Chlamydia trachomatis	Chlamydia trachomatis E/11023
326	clique	2513237256	Chlamydia trachomatis	Chlamydia trachomatis F/SW5
326	clique	2554235339	Chlamydia trachomatis	Chlamydia trachomatis RC-L2/55
326	clique	2540341141	Chlamydia trachomatis	Chlamydia trachomatis L2/25667R
326	clique	2522572198	Chlamydia trachomatis	Chlamydia trachomatis E/Bour
326	clique	2554235349	Chlamydia trachomatis	Chlamydia trachomatis E/C599
326	clique	2540341075	Chlamydia trachomatis	Chlamydia trachomatis L2/434/Bu(i)
326	clique	2554235327	Chlamydia trachomatis	Chlamydia trachomatis RC-L2s46
326	clique	2554235340	Chlamydia trachomatis	Chlamydia trachomatis RC-J/971
326	clique	2511231138	Chlamydia trachomatis	Chlamydia trachomatis A2497
326	clique	650377921	Chlamydia trachomatis	Chlamydia trachomatis E/Sweden2
326	clique	645058819	Chlamydia trachomatis	Chlamydia trachomatis sv F, 70s
326	clique	645058724	Chlamydia trachomatis	Chlamydia trachomatis Ds2923

327	clique	2531839343	Staphylococcus epidermidis	Staphylococcus epidermidis VCU139
327	clique	651053071	Staphylococcus lugdunensis	Staphylococcus lugdunensis N920143
327	clique	646564572	Staphylococcus lugdunensis	Staphylococcus lugdunensis HKU09-01
327	clique	2537562024	Staphylococcus lugdunensis	Staphylococcus lugdunensis ACS-027-V-Sch2
327	clique	649990000	Staphylococcus lugdunensis	Staphylococcus lugdunensis M23590
328	clique	648028044	Mycoplasma fermentans	Mycoplasma fermentans JER
328	clique	649633072	Mycoplasma fermentans	Mycoplasma fermentans M64
328	clique	650377959	Mycoplasma fermentans	Mycoplasma fermentans PG18
329	clique	2513237368	Lactobacillus mali	Lactobacillus mali KCTC 3596
329	clique	2534682326	Lactobacillus mali	Lactobacillus mali KCTC 3596
330	clique	2551306256	Streptococcus suis	Streptococcus suis Y554-2
330	clique	2551306241	Streptococcus suis	Streptococcus suis Y546
331	clique	637000230	Cupriavidus metallidurans	Cupriavidus metallidurans CH34
331	clique	2529293220	Cupriavidus metallidurans	Cupriavidus metallidurans HMR-1
332	clique	2531839132	Pseudomonas syringae	Pseudomonas syringae Lz4W
332	clique	2548876817	Pseudomonas fragi	Pseudomonas fragi A22
333	clique	647000237	Edwardsiella tarda	Edwardsiella tarda ATCC 23685
333	clique	2547132207	Edwardsiella tarda	Edwardsiella tarda ATCC 15947
333	clique	2547132402	Edwardsiella tarda	Edwardsiella tarda DT
334	clique	651324078	Novosphingobium nitrogenifigens	Novosphingobium nitrogenifigens Y88, DSM 19370
334	clique	2515154075	Novosphingobium nitrogenifigens	Novosphingobium nitrogenifigens DSM 19370
335	clique	2537561577	Prevotella nigrescens	Prevotella nigrescens F0103
335	clique	651324089	Prevotella nigrescens	Prevotella nigrescens ATCC 33563
336	clique	651053028	Haloquadratum walsbyi	Haloquadratum walsbyi C23, DSM 16854
336	clique	637000129	Haloquadratum walsbyi	Haloquadratum walsbyi HBSQ001, DSM 16790
337	clique	2515154013	Streptococcus massiliensis	Streptococcus massiliensis DSM 18628
337	clique	2551306662	Streptococcus massiliensis	Streptococcus massiliensis 4401825
338	clique	639633042	Mycobacterium sp.	Mycobacterium sp. KMS
338	clique	637000171	Mycobacterium sp.	Mycobacterium sp. MCS
338	clique	640069320	Mycobacterium sp.	Mycobacterium sp. JLS
339	clique	2519899839	Bartonella birtlesii	Bartonella birtlesii LL-WM9
339	clique	2547132177	Bartonella birtlesii	Bartonella birtlesii IBS 325
340	clique	649989905	Actinomyces viscosus	Actinomyces viscosus C505
340	clique	2512047052	Actinomyces sp.	Actinomyces sp. F0384
341	clique	645951842	Corynebacterium efficiens	Corynebacterium efficiens YS-314, DSM 44549
341	clique	644736345	Corynebacterium efficiens	Corynebacterium efficiens YS-314
342	clique	637000093	Desulfitobacterium hafniense	Desulfitobacterium hafniense Y51
342	clique	2522572064	Desulfitobacterium hafniense	Desulfitobacterium hafniense DP7 (draft 151 contigs)
342	clique	2516653041	Desulfitobacterium hafniense	Desulfitobacterium hafniense TCP-A
342	clique	643348537	Desulfitobacterium hafniense	Desulfitobacterium hafniense DCB-2
342	clique	2513237149	Desulfitobacterium hafniense	Desulfitobacterium hafniense PCP-1
342	clique	2516493017	Desulfitobacterium sp.	Desulfitobacterium sp. LBE
342	clique	2513020008	Desulfitobacterium hafniense	Desulfitobacterium hafniense TCE-1
343	clique	643348519	Borrelia recurrentis	Borrelia recurrentis A1
343	clique	2518645569	Borrelia crocidurae	Borrelia crocidurae Achema
343	clique	643348518	Borrelia duttonii	Borrelia duttonii Ly
344	clique	2511231113	Streptomyces cattleya	Streptomyces cattleya NRRL 8057
344	clique	2511231200	Streptomyces cattleya	Streptomyces cattleya DSM 46488
344	clique	2504756050	Streptomyces cattleya	Streptomyces cattleya ATCC 35852 (S. cattleya - VELVET and IMAGE assembly)
345	clique	2537561694	Thauera aminoaromatica	Thauera aminoaromatica S2
345	clique	643692051	Thauera aminoaromatica	Thauera aminoaromatica MZ1T
346	clique	2506520042	Rhodothermus marinus	Rhodothermus marinus SG0.5JP17-171
346	clique	250679078	Rhodothermus marinus	Rhodothermus marinus SG0.5JP17-172
347	clique	2527291527	unclassified	Candidatus Marinisoma atlanticum SCGC AAA160-I06 (Combined_Assembly_SAR406_2_SAR406)
347	clique	2264867244	unclassified	Marinimicrobia bacterium SCGC AAA160-C11
348	clique	2519899686	Arthrobacter sp.	Arthrobacter sp. 31Cvi3.1E
348	clique	2517572124	Arthrobacter sp.	Arthrobacter sp. 161MFSHa2.1
349	clique	2547132376	Avibacterium paragallinarum	Avibacterium paragallinarum AVPAR72
349	clique	2551306651	Avibacterium paragallinarum	Avibacterium paragallinarum 221
350	clique	642979370	Bacteroides dorei	Bacteroides dorei DSM 17855
350	clique	2531839307	Bacteroides dorei	Bacteroides dorei CL02T12C06
350	clique	646206258	Bacteroides dorei	Bacteroides dorei 5_1_36/D4
350	clique	2531839308	Bacteroides dorei	Bacteroides dorei CL03T12C01
350	clique	2537562062	Bacteroides dorei	Bacteroides dorei CL02T00C15
350	clique	647533113	Bacteroides sp.	Bacteroides sp. 3_1_33FAA
350	clique	646206263	Bacteroides sp.	Bacteroides sp. 9_1_42FAA
351	clique	2547132296	Enterobacter mori	Enterobacter mori LMG 25706
351	clique	2551306537	Enterobacter sp.	Enterobacter sp. B509
352	clique	2545824621	Corynebacterium callunae	Corynebacterium callunae DSM 20147
352	clique	2522572159	Corynebacterium callunae	Corynebacterium callunae DSM 20147
353	clique	2513237082	Burkholderia mimosarum	Burkholderia mimosarum STM3621
353	clique	2513237083	Burkholderia mimosarum	Burkholderia mimosarum LMG 23256
354	clique	645951858	Arthrospira platensis	Arthrospira platensis Paraca
354	clique	650377906	Arthrospira platensis	Arthrospira platensis NIES-39
355	clique	2529293243	Haloferax sulfurifontis	Haloferax sulfurifontis ATCC BAA-897
355	clique	2508501015	Haloferax sulfurifontis	Haloferax sulfurifontis M6, ATCC BAA-897
355	clique	2534682141	Haloferax denitrificans	Haloferax denitrificans ATCC 35960
355	clique	2508501014	Haloferax denitrificans	Haloferax denitrificans S1, ATCC 35960
356	clique	2512875033	Thioalkalivibrio paradoxus	Thioalkalivibrio paradoxus ARh 1
356	clique	2506520043	Thioalkalivibrio thiocyanoxidans	Thioalkalivibrio thiocyanoxidans ARh 4
357	clique	2541047151	Spiroplasma melliferum	Spiroplasma melliferum IPMB4A
357	clique	2513237328	Spiroplasma melliferum	Spiroplasma melliferum KC3

358	clique	2551306535	Candidatus Kueneria stuttgartiensis	Candidatus Kueneria stuttgartiensis CH1
358	clique	642555116	Candidatus Kueneria stuttgartiensis	Candidatus Kueneria stuttgartiensis
359	clique	2524614538	Stygiolobus azoricus	Stygiolobus azoricus FC6, DSM 6296
359	clique	648028062	Vulcanisaeta distributa	Vulcanisaeta distributa DSM 14429
360	clique	2529292732	Elizabethkingia anophelis	Elizabethkingia anophelis R26
360	clique	2513237380	Elizabethkingia anophelis	Elizabethkingia anophelis Ag1
361	clique	2516653053	Deinococcus sp.	Deinococcus sp. 2009
361	clique	2524614857	Deinococcus ficus	Deinococcus ficus DSM 19119
362	clique	2545824615	Bartonella grahamii	Bartonella grahamii ATCC 700132
362	clique	644736328	Bartonella grahamii	Bartonella grahamii as4aup
363	clique	2531839556	Streptococcus sanguinis	Streptococcus sanguinis SK340
363	clique	2529293055	Streptococcus sanguinis	Streptococcus sanguinis ATCC 29667
363	clique	2537561984	Streptococcus sanguinis	Streptococcus sanguinis SK1059
364	clique	646862336	Mycoplasma mycoides	Mycoplasma mycoides capri LC GM12
364	clique	2551306424	Mycoplasma mycoides	Mycoplasma mycoides capri PG3
364	clique	646862335	Mycoplasma mycoides	Mycoplasma mycoides capri LC GM12
364	clique	650716063	Mycoplasma mycoides	Mycoplasma mycoides capri LC 95010
365	clique	2505679065	Rhodococcus rhodochrous	Rhodococcus rhodochrous J38
365	clique	2527291702	Rhodococcus rhodochrous	Rhodococcus rhodochrous J3
366	clique	2531839250	Bacteroides salyersiae	Bacteroides salyersiae WAL 10018, DSM 18765
366	clique	2537561665	Bacteroides salyersiae	Bacteroides salyersiae CLO2T12C01
367	clique	643886038	Bacillus cereus	Bacillus cereus MM3
367	clique	2519103129	Bacillus cereus	Bacillus cereus BAG5X2-1
368	clique	648276713	Prevotella amnii	Prevotella amnii CRIS 21A-A
368	clique	2518645615	Prevotella amnii	Prevotella amnii DSM 23384
369	clique	2548876775	Comamonas testosteroni	Comamonas testosteroni NBRC 100989
369	clique	645058871	Comamonas testosteroni	Comamonas testosteroni KF-1
370	clique	2526164723	Pectobacterium sp.	Pectobacterium sp. SCC3193
370	clique	646311947	Pectobacterium wasabiae	Pectobacterium wasabiae WPP163
371	clique	2518645556	Nocardiopsis alba	Nocardiopsis alba ATCC BAA-2165
371	clique	2551306665	Nocardiopsis alba	Nocardiopsis alba DSM 43377
372	clique	645951849	Streptomyces sp.	Streptomyces sp. SPB78
372	clique	651285011	Streptomyces sp.	Streptomyces sp. Tu6071
372	clique	2504756065	Streptomyces sp.	Streptomyces sp. HrubLS-53
372	clique	649990018	Streptomyces sp.	Streptomyces sp. SA3_actG
373	clique	2516493022	Gordonia polyisoprenivorans	Gordonia polyisoprenivorans HW436
373	clique	2512564042	Gordonia polyisoprenivorans	Gordonia polyisoprenivorans VH2, DSM 44266
373	clique	2523231043	Gordonia polyisoprenivorans	Gordonia polyisoprenivorans NBRC 16320
374	clique	2534682020	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus ANC 3680
374	clique	2551306344	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus TG19593
375	clique	2505679121	unclassified	actinobacterium SCGC AAA027-L06
375	clique	2236661004	unclassified	actinobacterium SCGC AAA028-A23
376	clique	2548876763	Bacillus pumilus	Bacillus pumilus S-1
376	clique	2537562209	Bacillus aerophilus	Bacillus aerophilus KACC 16563
376	clique	2551306385	Bacillus pumilus	Bacillus pumilus BA06
376	clique	2534682106	Bacillus stratosphericus	Bacillus stratosphericus LAMA 585
377	clique	2551306474	Moritella marina	Moritella marina ATCC 15381
377	clique	2519899695	Moritella marina	Moritella marina ATCC 15381
378	clique	645951802	Selenomonas sputigena	Selenomonas sputigena ATCC 35185
378	clique	2504557006	Selenomonas sputigena	Selenomonas sputigena DSM 20758
379	clique	647000336	Vibrio coralliilyticus	Vibrio coralliilyticus ATCC BAA-450
379	clique	2547132268	Vibrio coralliilyticus	Vibrio coralliilyticus P1
380	clique	2541046980	Capnocytophaga granulosa	Capnocytophaga granulosa ATCC 51502
380	clique	2537561632	Capnocytophaga sp.	Capnocytophaga sp. CM59
381	clique	2531839125	Thermosiphon africanus	Thermosiphon africanus H17ap60334
381	clique	643348583	Thermosiphon africanus	Thermosiphon africanus TCF52B
382	clique	2537561902	Bergeyella zoohelcum	Bergeyella zoohelcum CCUG 30536
382	clique	2537561901	Bergeyella zoohelcum	Bergeyella zoohelcum ATCC 43767
383	clique	648861007	Candidatus Regiella insecticola	Candidatus Regiella insecticola LSR1
383	clique	2507262005	Candidatus Regiella insecticola	Candidatus Regiella insecticola R5.15
384	clique	2534682333	Rhizobium mesoamericanum	Rhizobium mesoamericanum STM3625
384	clique	2513237088	Rhizobium sp.	Rhizobium sp. STM6155
385	clique	2501799907	Bacillus sp.	Bacillus sp.
385	clique	2501846305	Bacillus sp.	Bacillus sp.
386	clique	2548876779	Bacillus megaterium	Bacillus megaterium NCT-2
386	clique	646564507	Bacillus megaterium	Bacillus megaterium DSM 319
386	clique	2522125133	Bacillus flexus	Bacillus flexus 27Col1.1E
386	clique	646564508	Bacillus megaterium	Bacillus megaterium QM B1551
386	clique	2522125150	Bacillus sp.	Bacillus sp. 171095_106
387	clique	644736334	Candidatus Hamiltonella defensa	Candidatus Hamiltonella defensa SAT
387	clique	2548876931	Candidatus Hamiltonella defensa	Candidatus Hamiltonella defensa MED (Bemisia tabaci)
388	clique	2516493012	Methylophilus sp.	Methylophilus sp. 42
388	clique	2517093014	Methylophilus sp.	Methylophilus sp. #1
389	clique	650377984	Vibrio furnissii	Vibrio furnissii 2510/74, NCTC 11218
389	clique	647000337	Vibrio furnissii	Vibrio furnissii CIP 102972
390	clique	2513237399	Megamonas funiformis	Megamonas funiformis YIT 11815
390	clique	2519899689	Megamonas rupellensis	Megamonas rupellensis DSM 19944
391	clique	2541046994	Paenibacillus sp.	Paenibacillus sp. HGH0039
391	clique	651324081	Paenibacillus sp.	Paenibacillus sp. HGF7
392	clique	2507262054	Cyanothece sp.	Cyanothece sp. BH63E, ATCC 51472
392	clique	641522622	Cyanothece sp.	Cyanothece sp. BH68, ATCC 51142
393	clique	2524023242	Lactobacillus saerimneri	Lactobacillus saerimneri DSM 16049

393	clique	2537561993	Lactobacillus saerimneri	Lactobacillus saerimneri 30a
394	clique	2551306532	Streptococcus parauberis	Streptococcus parauberis KCTC 11980BP
394	clique	2537561602	Streptococcus parauberis	Streptococcus parauberis KRS-02109
394	clique	2531839400	Streptococcus parauberis	Streptococcus parauberis KRS-02083
394	clique	650716090	Streptococcus parauberis	Streptococcus parauberis KCTC 11537
394	clique	651324102	Streptococcus parauberis	Streptococcus parauberis NCFD 2020
395	clique	2551306349	Sulfobacillus thermosulfidooxidans	Sulfobacillus thermosulfidooxidans Cutipay
395	clique	2506210005	Sulfobacillus thermosulfidooxidans	Sulfobacillus thermosulfidooxidans AT-1, DSM 9293
396	clique	643886062	Lactobacillus buchneri	Lactobacillus buchneri ATCC 11577
396	clique	643886059	Lactobacillus brevis	Lactobacillus brevis gravesensis ATCC 27305
396	clique	643886044	Lactobacillus hilgardii	Lactobacillus hilgardii ATCC 8290
397	clique	2516653040	Anabaena circinalis	Anabaena circinalis AWQC310F (Submitted file with automatic translation by Kostas)
397	clique	2516653039	Anabaena circinalis	Anabaena circinalis AWQC131C (Submitted file with automatic translation by Kostas)
398	clique	2547132416	Enterobacter sp.	Enterobacter sp. MR1
398	clique	2531839310	Enterobacter sp.	Enterobacter sp. SST3
399	clique	650716036	Erysipelothrix rhusiopathiae	Erysipelothrix rhusiopathiae Fujisawa
399	clique	645951852	Erysipelothrix rhusiopathiae	Erysipelothrix rhusiopathiae ATCC 19414
400	clique	649633069	unclassified	Micromonospora sp. L5
400	clique	648028042	Micromonospora aurantiaca	Micromonospora aurantiaca ATCC 27029
400	clique	2501939600	unclassified	Micromonospora L5
401	clique	2519899539	Dehalobacter sp.	Dehalobacter sp. CF
401	clique	2519899776	Dehalobacter sp.	Dehalobacter sp. 11DCA
402	clique	2548876974	Cronobacter malonaticus	Cronobacter malonaticus LMG 23826
402	clique	2537561900	Cronobacter malonaticus	Cronobacter malonaticus 681
403	clique	2540341183	Methanobrevibacter sp.	Methanobrevibacter sp. AbM4
403	clique	2551306657	Methanobrevibacter sp.	Methanobrevibacter sp. JH1
404	clique	2551306057	Staphylococcus massiliensis	Staphylococcus massiliensis CCUG 55927
404	clique	2517434004	Staphylococcus massiliensis	Staphylococcus massiliensis S46
405	clique	2511231016	Pseudomonas sp.	Pseudomonas sp. GM50
405	clique	2511231004	Pseudomonas sp.	Pseudomonas sp. GM102
406	clique	646311921	Edwardsiella tarda	Edwardsiella tarda EIB202
406	clique	648231704	Edwardsiella tarda	Edwardsiella tarda FL6-60
406	clique	2541047080	Edwardsiella tarda	Edwardsiella tarda C07-087
407	clique	643886213	Helicobacter canadensis	Helicobacter canadensis MIT 98-5491, ATCC 700968
407	clique	647533173	Helicobacter canadensis	Helicobacter canadensis MIT 98-5491, ATCC 700968
408	clique	643886058	Corynebacterium accolens	Corynebacterium accolens ATCC 49725
408	clique	648276632	Corynebacterium accolens	Corynebacterium accolens ATCC 49726
409	clique	2551306685	Xanthomonas arboricola	Xanthomonas arboricola pv. corylina NCCB 100457
409	clique	2548877012	Xanthomonas arboricola	Xanthomonas arboricola pv. juglandis NCPPB 1447
410	clique	2547132193	Methylobacterium sp.	Methylobacterium sp. L2-4
410	clique	641522638	Methylobacterium radiotolerans	Methylobacterium radiotolerans JCM 2831
410	clique	2546826724	Methylobacterium sp.	Methylobacterium sp. EUR3 AL-11
411	clique	639633059	Shewanella sp.	Shewanella sp. W3-18-1
411	clique	2524023073	Shewanella putrefaciens	Shewanella putrefaciens CN-32
411	clique	2510436004	Shewanella putrefaciens	Shewanella putrefaciens 200 (Missing data)
412	clique	2551306049	Aliivibrio fischeri	Aliivibrio fischeri ZF-211
412	clique	642555167	Vibrio fischeri	Vibrio fischeri MJ11
412	clique	2545824525	Vibrio fischeri	Vibrio fischeri SR5
413	clique	2502171173	Lactobacillus reuteri	Lactobacillus reuteri CF48-3A (Improved draft)
413	clique	650716048	Lactobacillus reuteri	Lactobacillus reuteri SD2112, ATCC 55730
414	clique	2508501018	Haloarcula vallismortis	Haloarcula vallismortis J.F. 54, ATCC 29715
414	clique	2531839650	Haloarcula vallismortis	Haloarcula vallismortis ATCC 29715
415	clique	2531839621	Propionibacterium acnes	Propionibacterium acnes P08
415	clique	2529293281	Propionibacterium acnes	Propionibacterium acnes HLO37PA3
415	clique	2534681797	Propionibacterium acnes	Propionibacterium acnes HLO37PA2
415	clique	2531839422	Propionibacterium acnes	Propionibacterium acnes HLO44PA1
416	clique	2513237103	Rhizobium leguminosarum	Rhizobium leguminosarum bv. viciae VF39
416	clique	639633055	Rhizobium leguminosarum	Rhizobium leguminosarum bv. viciae 3841
417	clique	2509276066	Prevotella dentalis	Prevotella dentalis ES 2772, DSM 3688
417	clique	2545555854	Hallella seregens	Hallella seregens ATCC 51272
417	clique	651324087	Prevotella dentalis	Prevotella dentalis DSM 3688
418	clique	2548876809	unclassified	Sphingomonas sp. PAMC 26621
418	clique	2548876811	unclassified	Sphingomonas sp. PAMC 26617
419	clique	2504756061	Ochrobactrum intermedium	Ochrobactrum intermedium J2
419	clique	2505679059	Ochrobactrum sp.	Ochrobactrum sp. J50
420	clique	2537561942	Actinomyces massiliensis	Actinomyces massiliensis F0489
420	clique	2548876973	Actinomyces massiliensis	Actinomyces massiliensis 4401292
421	clique	642979356	Roseburia intestinalis	Roseburia intestinalis L1-82
421	clique	650377964	Roseburia intestinalis	Roseburia intestinalis M50/1
421	clique	650377965	Roseburia intestinalis	Roseburia intestinalis XB6B4
422	clique	2522125167	Clostridium stercorarium	Clostridium stercorarium stercorarium, DSM 8532
422	clique	2540341047	Clostridium stercorarium	Clostridium stercorarium stercorarium DSM 8532
423	clique	644736401	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii WSM1325
423	clique	2517093000	Rhizobium leguminosarum	Rhizobium leguminosarum bv. trifolii SRD1943
424	clique	2264867135	unclassified	Hydrogenedentes bacterium JGI 0000077-O16 (Tabiofilm_001_237)
424	clique	2527291518	unclassified	Hydrogenedentes bacterium JGI 0000039-J10 (Combined_Assembly_NKB19_1_NKB19)
425	clique	2526164522	Clostridium glycolicum	Clostridium glycolicum DSM 1288
425	clique	2515154199	Clostridium glycolicum	Clostridium glycolicum ATCC 14880
426	clique	2534681801	Haemophilus parainfluenzae	Haemophilus parainfluenzae HK2019
426	clique	2534681804	Haemophilus parainfluenzae	Haemophilus parainfluenzae HK262
427	clique	647533193	Parascardovia denticolens	Parascardovia denticolens F0305
427	clique	649989980	Parascardovia denticolens	Parascardovia denticolens DSM 10105

427	clique	2537561560	Parascardovia denticolens	Parascardovia denticolens IPLA 20019
428	clique	650377942	Fibrobacter succinogenes	Fibrobacter succinogenes succinogenes S85
428	clique	646311927	Fibrobacter succinogenes	Fibrobacter succinogenes succinogenes S85, ATCC 19169
429	clique	2524614543	Streptomyces sp.	Streptomyces sp. DvalAA-21
429	clique	2524614575	Streptomyces sp.	Streptomyces sp. DpondAA-A50
429	clique	2524614542	Streptomyces sp.	Streptomyces sp. ScaeMP-e122
429	clique	2523533511	Streptomyces sp.	Streptomyces sp. SirexAA-E
429	clique	2524614567	Streptomyces sp.	Streptomyces sp. DpondAA-E10
430	clique	2522572160	Desulfatibacillum aliphaticivorans	Desulfatibacillum aliphaticivorans DSM 15576
430	clique	2502957028	Desulfatibacillum alkenivorans	Desulfatibacillum alkenivorans AK-01 (Desulfatibacillum alkenivorans AK-01)
431	clique	2516653074	Burkholderia sp.	Burkholderia sp. WSM4176
431	clique	2501025500	Burkholderia tuberum	Burkholderia tuberum STM678
432	clique	2502171174	Halococcus hamelinensis	Halococcus hamelinensis 100A6, JCM 12892
432	clique	2529292733	Halococcus hamelinensis	Halococcus hamelinensis 100A6
433	clique	643692011	Brevibacillus brevis	Brevibacillus brevis NBRC 100599
433	clique	2548876786	Brevibacillus brevis	Brevibacillus brevis FJAT-0809-GLX
434	clique	2541047446	Enterococcus durans	Enterococcus durans ATCC 6056
434	clique	2545824655	Enterococcus durans	Enterococcus durans ATCC 6056
435	clique	648276630	Clostridium cellulovorans	Clostridium cellulovorans 743B, ATCC 35296
435	clique	648028016	Clostridium cellulovorans	Clostridium cellulovorans 743B, ATCC 35296
436	clique	640427106	Caldicellulosiruptor saccharolyticus	Caldicellulosiruptor saccharolyticus DSM 8903
436	clique	2551306696	Caldicellulosiruptor sp.	Caldicellulosiruptor sp. F32
437	clique	2537561951	Peptostreptococcus anaerobius	Peptostreptococcus anaerobius VPI 4330
437	clique	2519899669	Peptostreptococcus anaerobius	Peptostreptococcus anaerobius DSM 2949
437	clique	647000290	Peptostreptococcus anaerobius	Peptostreptococcus anaerobius 653-L
438	clique	2529293187	Bartonella vinsonii	Bartonella vinsonii arupensis Pm136co
438	clique	2519899805	Bartonella vinsonii	Bartonella vinsonii arupensis OK-94-513
439	clique	2501416905	Geobacillus thermoglucosidasius	Geobacillus thermoglucosidasius M10EXG
439	clique	650716039	Geobacillus thermoglucosidasius	Geobacillus thermoglucosidasius C56-Y593
439	clique	649633047	Geobacillus sp.	Geobacillus sp. Y4.1MC1
439	clique	2509276042	Geobacillus Geobacillus	Geobacillus thermoglucosidasius YU
440	clique	2529292754	Bacillus cereus	Bacillus cereus BAG20-3
440	clique	2537561971	Bacillus cereus	Bacillus cereus B5-2
440	clique	2537561970	Bacillus cereus	Bacillus cereus BAG30-1
441	clique	651324016	Brevibacillus laterosporus	Brevibacillus laterosporus NRS 682, LMG 15441
441	clique	2537561869	Brevibacillus laterosporus	Brevibacillus laterosporus GI-9
442	clique	649989969	Lactobacillus oris	Lactobacillus oris PB013-T2-3
442	clique	2540341034	Lactobacillus oris	Lactobacillus oris F0423
443	clique	2541047997	Enterococcus cecorum	Enterococcus cecorum DSM 20682
443	clique	2515154031	Enterococcus cecorum	Enterococcus cecorum DSM 20682
444	clique	648276706	Oscillatoria sp.	Oscillatoria sp. PCC 6506
444	clique	2508501075	Oscillatoria formosa	Oscillatoria formosa PCC 6407
445	clique	642979313	Bifidobacterium pseudocatenulatum	Bifidobacterium pseudocatenulatum DSM 20438
445	clique	2502545009	Bifidobacterium pseudocatenulatum	Bifidobacterium pseudocatenulatum D2CA
446	clique	2512875016	Mesorhizobium loti	Mesorhizobium loti R7A
446	clique	637000159	Mesorhizobium loti	Mesorhizobium loti MAFF303099
447	clique	642555162	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia R551-3
447	clique	2529293250	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia RA8
448	clique	650716040	Glaciecola agarilytica	Glaciecola agarilytica 4H-3-7+YE-5
448	clique	2529292809	Glaciecola agarilytica	Glaciecola agarilytica NO2
448	clique	2529292810	Glaciecola chathamensis	Glaciecola chathamensis S18K6
449	clique	2506783025	Pseudomonas viridiflava	Pseudomonas viridiflava CC1582 (CC1582)
449	clique	2531839182	Pseudomonas viridiflava	Pseudomonas viridiflava UASWS0038
449	clique	2506783031	Pseudomonas viridiflava	Pseudomonas viridiflava TA043 (TA043)
450	clique	637000085	Corynebacterium jeikeium	Corynebacterium jeikeium K411
450	clique	647000231	Corynebacterium jeikeium	Corynebacterium jeikeium ATCC 43734
451	clique	2510917022	Rhizobium sp.	Rhizobium sp. AP16
451	clique	643348504	Rhizobium rhizogenes	Rhizobium rhizogenes K84
451	clique	2505119044	Agrobacterium rhizogenes	Agrobacterium rhizogenes A4 (version 3)
452	clique	2521172707	Pseudomonas fluorescens	Pseudomonas fluorescens A506
452	clique	2541047099	Pseudomonas sp.	Pseudomonas sp. CF150
452	clique	2541047103	Pseudomonas sp.	Pseudomonas sp. CFT9
453	clique	641522618	Clostridium botulinum	Clostridium botulinum B Eklund 17B
453	clique	2551306330	Clostridium botulinum	Clostridium botulinum CDC66177
454	clique	2511231140	Streptomyces hygroscopicus	Streptomyces hygroscopicus jinggangensis 5008
454	clique	2540341059	Streptomyces hygroscopicus	Streptomyces hygroscopicus jinggangensis TL01
455	clique	2508501046	Azospira suillum	Azospira suillum PS
455	clique	2508501008	unclassified	Azospira sp. ZAP
456	clique	651324088	Prevotella denticola	Prevotella denticola CRIS 18C-A
456	clique	2526164516	Prevotella denticola	Prevotella denticola DSM 20614
456	clique	650716073	Prevotella denticola	Prevotella denticola F0289
457	clique	2541047506	Actinomyces sp.	Actinomyces sp. oral taxon 877 F0543
457	clique	649989903	Actinomyces sp.	Actinomyces sp. oral taxon 178 F0338
458	clique	650716025	Clostridium botulinum	Clostridium botulinum BKT015925
458	clique	2547132073	Clostridium botulinum	Clostridium botulinum V891
458	clique	2547132285	Clostridium botulinum	Clostridium botulinum BKT028387
459	clique	641522630	Histophilus somni	Histophilus somni 2336
459	clique	637000127	Histophilus somni	Histophilus somni 129P
460	clique	641736163	Escherichia albertii	Escherichia albertii TW07627
460	clique	2547132269	Escherichia albertii	Escherichia albertii TW08933
460	clique	2547132270	Escherichia albertii	Escherichia albertii TW15818
461	clique	650716042	Hyphomicrobium sp.	Hyphomicrobium sp. MC1

461	clique	2516653076	Hyphomicrobium sp.	Hyphomicrobium sp. 802
462	clique	2548876998	Fischerella thermalis	Fischerella thermalis PCC 7521
462	clique	2505679024	Fischerella sp.	Fischerella sp. JSC-11
463	clique	2541047449	Enterococcus avium	Enterococcus avium ATCC 14025
463	clique	2545824652	Enterococcus avium	Enterococcus avium ATCC 14025
464	clique	649633095	Staphylococcus pseudintermedius	Staphylococcus pseudintermedius HKU10-03
464	clique	650377974	Staphylococcus pseudintermedius	Staphylococcus pseudintermedius ED99
465	clique	643886045	Lactobacillus ruminis	Lactobacillus ruminis E 194e, ATCC 25644
465	clique	651324065	Lactobacillus ruminis	Lactobacillus ruminis SPM0211
465	clique	2521172681	Lactobacillus ruminis	Lactobacillus ruminis ATCC 27782
465	clique	2537562022	Lactobacillus ruminis	Lactobacillus ruminis ATCC 25644
466	clique	2551306050	Vibrio sp.	Vibrio genomosp. F10 9ZD137
466	clique	2551306040	Vibrio sp.	Vibrio genomosp. F10 9ZC157
466	clique	2551306042	Vibrio sp.	Vibrio genomosp. F10 ZF-129
466	clique	2551306052	Vibrio sp.	Vibrio genomosp. F10 9ZB36
467	clique-group	2529292753	Streptococcus sp.	Streptococcus sp. GMD45
467	clique-group	2521172586	Streptococcus sp.	Streptococcus sp. GMD35
467	clique-group	2529292944	Streptococcus sp.	Streptococcus sp. GMD65
467	clique-group	2529292749	Streptococcus sp.	Streptococcus sp. GMD15
467	clique-group	2529292942	Streptococcus sp.	Streptococcus sp. GMD25
467	clique-group	2548877064	Streptococcus sp.	Streptococcus sp. GMD55
468	clique	2512564058	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis P54896
468	clique	650377927	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis I19
468	clique	2540341150	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 31
468	clique	2513237214	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 267
468	clique	2511231142	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 1/06-A
468	clique	648231703	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis C231
468	clique	2512564036	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 316
468	clique	2511231153	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis CIP52.97
468	clique	2511231154	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis PAT10
468	clique	2518645565	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis Cp162
468	clique	2518645564	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 258
468	clique	2511231067	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 3/99-5
468	clique	2511231212	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 42/02-A
468	clique	648231702	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis 1002
468	clique	648028019	Corynebacterium pseudotuberculosis	Corynebacterium pseudotuberculosis FRC41
469	clique-group	2551306260	Streptococcus suis	Streptococcus suis Y535
469	clique-group	2551306239	Streptococcus suis	Streptococcus suis Y516
469	clique-group	2551306221	Streptococcus suis	Streptococcus suis 22083
470	clique	640753048	Serratia proteamaculans	Serratia proteamaculans 568
470	clique	2508501071	Serratia proteamaculans	Serratia proteamaculans S4
471	clique	2541046985	Myroides odoratimimus	Myroides odoratimimus CCUG 12700
471	clique	2522572175	Myroides odoratimimus	Myroides odoratimimus CCUG 12901
471	clique	2522572177	Myroides odoratimimus	Myroides odoratimimus CIP 101113
471	clique	2513237331	Myroides odoratimimus	Myroides odoratimimus CCUG 10230
471	clique	2523231006	Myroides odoratimimus	Myroides odoratimimus CCUG 3837
472	clique	651324044	Kingella kingae	Kingella kingae ATCC 23330
472	clique	2548877028	Kingella kingae	Kingella kingae 11220434
472	clique	2531839141	Kingella kingae	Kingella kingae PYKK081
473	clique	649989901	Actinomyces oris	Actinomyces oris K20
473	clique	2502171150	Actinomyces naeslundii	Actinomyces naeslundii MG1 (Chromosome)
474	clique	650716006	Aeromonas veronii	Aeromonas veronii B565
474	clique	2529292916	Aeromonas veronii	Aeromonas veronii AER39
474	clique	2529292914	Aeromonas veronii	Aeromonas veronii AER397
474	clique	2529292918	Aeromonas veronii	Aeromonas veronii AMC35
474	clique	2541048008	Aeromonas veronii	Aeromonas veronii Hm21
475	clique	2551306019	Xanthomonas vasicola	Xanthomonas vasicola pv. vasculorum Hayward B370, NCPPB 895
475	clique	2548876800	Xanthomonas vasicola	Xanthomonas vasicola pv. vasculorum NCPPB 206
475	clique	647000346	Xanthomonas oryzae	Xanthomonas campestris pv. vasculorum NCPPB 702
475	clique	2548876668	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 4394
475	clique	2548876666	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 4380
475	clique	2548876664	Xanthomonas campestris	Xanthomonas campestris pv. musacearum 'Kenyan'
475	clique	2548876799	Xanthomonas vasicola	Xanthomonas vasicola pv. vasculorum NCPPB 1326
475	clique	2548876665	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 2005
475	clique	2548876801	Xanthomonas vasicola	Xanthomonas vasicola pv. vasculorum NCPPB 1381
475	clique	2551306024	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 4392
475	clique	647000345	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 4381
475	clique	2548876669	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 4384
475	clique	2548876667	Xanthomonas campestris	Xanthomonas campestris pv. musacearum NCPPB 4379
476	clique-group	640963059	Listeria monocytogenes	Listeria monocytogenes FSL N1-017
476	clique-group	2547132095	Listeria monocytogenes	Listeria monocytogenes sv 4b Scott A
476	clique-group	2540341168	Listeria monocytogenes	Listeria monocytogenes serotype 4b LL195
476	clique-group	2531839151	Listeria monocytogenes	Listeria monocytogenes FSL J1-194
476	clique-group	2540341187	Listeria monocytogenes	Listeria monocytogenes serotype 7 SLCC 2482
476	clique-group	2526164720	Listeria monocytogenes	Listeria monocytogenes SLCC 2540
476	clique-group	2526164717	Listeria monocytogenes	Listeria monocytogenes SLCC 2378
476	clique-group	643692027	Listeria monocytogenes	Listeria monocytogenes 4b CLIP 80459
476	clique-group	641736263	Listeria monocytogenes	Listeria monocytogenes FSL J2-064
476	clique-group	637000154	Listeria monocytogenes	Listeria monocytogenes 4b F2365
476	clique-group	638341118	Listeria monocytogenes	Listeria monocytogenes 4b H7858
476	clique-group	2547132033	Listeria monocytogenes	Listeria monocytogenes FSL J1-175
476	clique-group	640963047	Listeria monocytogenes	Listeria monocytogenes HPB2262

476	clique-group	2513237197	Listeria monocytogenes	Listeria monocytogenes 07PF0776
476	clique-group	2540341109	Listeria monocytogenes	Listeria monocytogenes ATCC 19117
476	clique-group	2526164706	Listeria monocytogenes	Listeria monocytogenes serotype 1/2b SLCC 2755
476	clique-group	2531839150	Listeria monocytogenes	Listeria monocytogenes FSL R2-503
477	clique	2516493032	Salinispora pacifica	Salinispora pacifica DSM 45547
477	clique	2518285563	Salinispora pacifica	Salinispora pacifica CNS860
477	clique	2516143118	Salinispora pacifica	Salinispora pacifica CNT138
477	clique	2515154170	Salinispora pacifica	Salinispora pacifica CNT854
477	clique	2517572194	Salinispora pacifica	Salinispora pacifica DSM 45543
477	clique	2517572158	Salinispora pacifica	Salinispora pacifica CNT045
477	clique	2517572159	Salinispora pacifica	Salinispora pacifica CNT124
477	clique	2517572156	Salinispora pacifica	Salinispora pacifica CNS863
477	clique	2517572160	Salinispora pacifica	Salinispora pacifica CNT584
477	clique	2515154177	Salinispora pacifica	Salinispora pacifica CNT029
477	clique	2516653042	Salinispora pacifica	Salinispora pacifica DSM 45546
477	clique	2517572157	Salinispora pacifica	Salinispora pacifica CNS996
478	clique	637000319	Thermobifida fusca	Thermobifida fusca YX
478	clique	2541047451	Thermobifida fusca	Thermobifida fusca TM51
479	clique	648276685	Lysinibacillus fusiformis	Lysinibacillus fusiformis ZC1
479	clique	2519899756	Lysinibacillus fusiformis	Lysinibacillus fusiformis ZB2
480	clique	2534682259	Pelosinus fermentans	Pelosinus fermentans B3
480	clique	2529293097	Pelosinus fermentans	Pelosinus fermentans A11
480	clique	2529293099	Pelosinus fermentans	Pelosinus fermentans R7, DSM 17108
480	clique	2537561517	Pelosinus fermentans	Pelosinus fermentans B4
480	clique	2511231046	Pelosinus sp.	Pelosinus sp. HCF1
480	clique	2529293098	Pelosinus fermentans	Pelosinus fermentans A12
481	clique	2503198003	Clostridium sp.	Clostridium sp. CP1
481	clique	2531839097	Clostridium pasteurianum	Clostridium pasteurianum DSM 525
482	clique	651285008	Streptococcus sp.	Streptococcus sp. C150
482	clique	2516143101	Streptococcus salivarius	Streptococcus salivarius PS4
483	clique-group	2511231139	Helicobacter pylori	Helicobacter pylori SNT49
483	clique-group	2551306528	Helicobacter pylori	Helicobacter pylori NAK7
483	clique-group	2548876870	Helicobacter pylori	Helicobacter pylori NAB47
483	clique-group	2551306574	Helicobacter pylori	Helicobacter pylori UM018
483	clique-group	2551306575	Helicobacter pylori	Helicobacter pylori UM054
484	clique	2537561772	Campylobacter sp.	Campylobacter sp. FOBR14
484	clique	640753010	Campylobacter curvus	Campylobacter curvus 525.92
485	clique	2526164524	Butyrivibrio sp.	Butyrivibrio sp. FCS006
485	clique	2524614696	Butyrivibrio sp.	Butyrivibrio sp. NC2007
486	clique	2521172536	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:18
486	clique	2524614584	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:16
486	clique	2548876813	Pseudomonas montellii	Pseudomonas montellii QM
486	clique	2518645599	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:15
486	clique	2521172640	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:112
486	clique	2526164530	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:15
486	clique	2523533501	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:19
486	clique	2548876714	Pseudomonas putida	Pseudomonas putida B001
486	clique	2524614516	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:112
486	clique	2521172669	Pseudomonas sp.	Pseudomonas sp. LAIL14HWK12:13
486	clique	2523533506	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:14
486	clique	2521172641	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:111
486	clique	2521172645	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:17
486	clique	2523231083	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:14
487	clique	2540341024	Staphylococcus epidermidis	Staphylococcus epidermidis VCU122
487	clique	2548877063	Staphylococcus hominis	Staphylococcus hominis hominis ZBW5
487	clique	643886039	Staphylococcus hominis	Staphylococcus hominis SK119
487	clique	651285007	Staphylococcus hominis	Staphylococcus hominis hominis C80
488	clique-group	2545824746	Yersinia enterocolitica	Yersinia enterocolitica palearctica YE-150
488	clique-group	2548876518	Yersinia enterocolitica	Yersinia enterocolitica IP2222
488	clique-group	2548876521	Yersinia enterocolitica	Yersinia enterocolitica palearctica 647/5307
488	clique-group	2531839567	Yersinia enterocolitica	Yersinia enterocolitica palearctica PhRBD_Ye1
488	clique-group	2537561559	Yersinia enterocolitica	Yersinia enterocolitica enterocolitica WA-314
488	clique-group	2545824747	Yersinia enterocolitica	Yersinia enterocolitica palearctica YE-P1
488	clique-group	2545824745	Yersinia enterocolitica	Yersinia enterocolitica palearctica YE-149
488	clique-group	2545824748	Yersinia enterocolitica	Yersinia enterocolitica palearctica YE-P4
488	clique-group	2548876520	Yersinia enterocolitica	Yersinia enterocolitica palearctica 556/8265
488	clique-group	640069335	Yersinia enterocolitica	Yersinia enterocolitica enterocolitica 8081
488	clique-group	2522572166	Yersinia enterocolitica	Yersinia enterocolitica IP 10393
488	clique-group	2548876519	Yersinia enterocolitica	Yersinia enterocolitica NFO
488	clique-group	651053079	Yersinia enterocolitica	Yersinia enterocolitica palearctica sv O:3/4 Y11
488	clique-group	650716106	Yersinia enterocolitica	Yersinia enterocolitica palearctica 105.5R(r) (O:9)
488	clique-group	2548876522	Yersinia enterocolitica	Yersinia enterocolitica palearctica YOS27
489	clique	2526164610	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Mini 201000851
489	clique	2537561607	Leptospira borgpetersenii	Leptospira borgpetersenii 200801926
489	clique	2551306644	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica L0066
489	clique	2519103083	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Castellonis 200801910
489	clique	639633033	Leptospira borgpetersenii	Leptospira borgpetersenii sv Hardjo-bovis L550
489	clique	2551306643	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Hardjo-bovis Lely 607
489	clique	2537561563	Leptospira borgpetersenii	Leptospira borgpetersenii Noumea 25
489	clique	2526164643	Leptospira borgpetersenii	Leptospira borgpetersenii Brem 328
489	clique	2526164642	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica MK146
489	clique	2541047041	unclassified	Leptospira sp. sv. Kenya Sh9

489	clique	2548876767	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica L0864
489	clique	2541047033	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Hardjo-ovis Sponselee
489	clique	2519103130	Leptospira borgpetersenii	Leptospira borgpetersenii UI 09149
489	clique	639633032	Leptospira borgpetersenii	Leptospira borgpetersenii sv Hardjo-ovis JB197
489	clique	2528311142	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica UI 09931
489	clique	2526164644	Leptospira borgpetersenii	Leptospira borgpetersenii Brem 307
489	clique	2548876766	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Kenya TE 0159
490	clique	648276714	Prevotella bryantii	Prevotella bryantii B14
490	clique	2524614710	Prevotella bryantii	Prevotella bryantii C21a
491	clique	2513237096	Bradyrhizobium elkanii	Bradyrhizobium elkanii USDA 3259
491	clique	2513237145	Bradyrhizobium elkanii	Bradyrhizobium elkanii USDA 3254
492	clique	2512047079	Vibrio scopthalmi	Vibrio scopthalmi LMG 19158
492	clique	2512047080	Vibrio sp.	Vibrio sp. N418
493	clique	648028060	Thermoanaerobacterium thermosaccharolyticum	Thermoanaerobacterium thermosaccharolyticum DSM 571
493	clique	2506783062	Thermoanaerobacterium thermosaccharolyticum	Thermoanaerobacterium thermosaccharolyticum M0795
494	clique	2505679002	Blattabacterium sp.	Blattabacterium sp. MADAR (Blattabacterium sp. MADAR)
494	clique	2511231105	Blattabacterium sp.	Blattabacterium sp. (Mastotermes darwiniensis) MADAR
495	clique	648276708	Pantoea sp.	Pantoea sp. aB
495	clique	2541047590	Pantoea agglomerans	Pantoea agglomerans 299R
496	clique	2551306215	Streptococcus suis	Streptococcus suis 86-5192
496	clique	2551306227	Streptococcus suis	Streptococcus suis 89-4109-1
497	clique	2524023216	Synechocystis sp.	Synechocystis sp. PCC 6803, PCC-P
497	clique	651053076	Synechocystis sp.	Synechocystis sp. GT-S, PCC 6803
497	clique	2513237196	Synechocystis sp.	Synechocystis sp. PCC 6803, GT-I
497	clique	637000315	Synechocystis sp.	Synechocystis sp. PCC 6803
497	clique	2513237195	Synechocystis sp.	Synechocystis sp. PCC 6803, PCC-N
497	clique	2540341154	Synechocystis sp.	Synechocystis sp. PCC 6803
498	clique	649989996	Selenomonas artemidis	Selenomonas artemidis F0399
498	clique	2526164534	Selenomonas artemidis	Selenomonas artemidis DSM 19719
499	clique	2505679058	Nocardioides sp.	Nocardioides sp. J9
499	clique	2509276014	Nocardioides sp.	Nocardioides sp. J54
500	clique	650716062	Mycoplasma bovis	Mycoplasma bovis Hubei-1
500	clique	649633071	Mycoplasma bovis	Mycoplasma bovis Donetta PG45
500	clique	2521172704	Mycoplasma bovis	Mycoplasma bovis HB0801
501	clique	2519899787	Bartonella doshiae	Bartonella doshiae NCTC 12862
501	clique	2545555861	Bartonella doshiae	Bartonella doshiae ATCC 700133
502	clique	2534682343	Leptospira noguchii	Leptospira noguchii 2007001578
502	clique	2545824530	Leptospira interrogans	Leptospira interrogans 2006001870
502	clique	2534682346	Leptospira noguchii	Leptospira noguchii sv. Autumnalis ZUN142
502	clique	2537562115	Leptospira noguchii	Leptospira noguchii Cascata
502	clique	2534682344	Leptospira noguchii	Leptospira noguchii 1993005606
502	clique	2537562113	Leptospira noguchii	Leptospira noguchii 2001034031
502	clique	2531839148	Leptospira noguchii	Leptospira noguchii Bonito
502	clique	2537561886	Leptospira interrogans	Leptospira interrogans HAI1536
502	clique	2537562114	Leptospira noguchii	Leptospira noguchii Hook
503	clique-group	2541047562	Gardnerella vaginalis	Gardnerella vaginalis JCP7672
503	clique-group	2541047559	Gardnerella vaginalis	Gardnerella vaginalis JCP7275
503	clique-group	2534682084	Gardnerella vaginalis	Gardnerella vaginalis 0288E
503	clique-group	2534682082	Gardnerella vaginalis	Gardnerella vaginalis 55152
503	clique-group	2534682081	Gardnerella vaginalis	Gardnerella vaginalis 1400E
503	clique-group	2534682086	Gardnerella vaginalis	Gardnerella vaginalis 42431
503	clique-group	2541047568	Gardnerella vaginalis	Gardnerella vaginalis JCP8108
503	clique-group	2547132276	Gardnerella vaginalis	Gardnerella vaginalis 41V
503	clique-group	2531839498	Gardnerella vaginalis	Gardnerella vaginalis 315-A
503	clique-group	2541047560	Gardnerella vaginalis	Gardnerella vaginalis JCP7276
503	clique-group	2534682085	Gardnerella vaginalis	Gardnerella vaginalis 75712
503	clique-group	651053027	Gardnerella vaginalis	Gardnerella vaginalis HMP9231
503	clique-group	648276678	Gardnerella vaginalis	Gardnerella vaginalis ATCC 14018
503	clique-group	649633046	Gardnerella vaginalis	Gardnerella vaginalis 317, ATCC 14019
504	clique	2541047038	Leptospira kirschneri	Leptospira kirschneri sv. Bulgarica Nikolaevo
504	clique	2548876807	Leptospira kirschneri	Leptospira kirschneri sv. Mozdok 'B 81/7 type 3/Tsaratsovo'
504	clique	2526164615	Leptospira kirschneri	Leptospira kirschneri 200801774
504	clique	2519899817	Leptospira kirschneri	Leptospira kirschneri H1
504	clique	2519899808	Leptospira kirschneri	Leptospira kirschneri sv. Valbuzzi 200702274
504	clique	2551306652	Leptospira kirschneri	Leptospira kirschneri sv. Mozdok 1 Vehlefans 3
504	clique	2541047036	Leptospira kirschneri	Leptospira kirschneri sv. Bim PUO 1247
504	clique	2537561533	Leptospira kirschneri	Leptospira kirschneri 200802841
504	clique	2548876803	Leptospira kirschneri	Leptospira kirschneri sv. Grippotyphosa 'Brem 127 Duyster'
504	clique	2548876805	Leptospira kirschneri	Leptospira kirschneri sv. Valbuzzi Brem 179
504	clique	2531839703	Leptospira kirschneri	Leptospira kirschneri sv. Bim 1051
504	clique	2541047044	Leptospira kirschneri	Leptospira kirschneri JB
504	clique	2548876806	Leptospira kirschneri	Leptospira kirschneri sv. Grippotyphosa UT130
504	clique	2551306653	Leptospira kirschneri	Leptospira kirschneri sv. Mozdok 1 Vehlefans 2
504	clique	2541047035	Leptospira kirschneri	Leptospira kirschneri MMD1493
504	clique	2537561543	Leptospira kirschneri	Leptospira kirschneri 200803703
504	clique	2531839702	Leptospira kirschneri	Leptospira kirschneri sv. Cynopteri 3522 CT
504	clique	2531839388	Leptospira kirschneri	Leptospira kirschneri 200801925
504	clique	2519899558	Leptospira kirschneri	Leptospira kirschneri H2
504	clique	2529292970	Leptospira kirschneri	Leptospira kirschneri 2008720114
504	clique	2548876802	Leptospira kirschneri	Leptospira kirschneri sv. Grippotyphosa Duyster-Boelhouwer
504	clique	2531839704	Leptospira kirschneri	Leptospira kirschneri sv. Grippotyphosa RM52
504	clique	2548876804	Leptospira kirschneri	Leptospira kirschneri sv. Mozdok Brem 166

504	clique	2541047034	Leptospira santarosai	Leptospira santarosai CBC613
504	clique	2531839706	Leptospira kirschneri	Leptospira kirschneri sv. Sokoine RM1
504	clique	2531839701	Leptospira kirschneri	Leptospira kirschneri sv. Grippotyphosa Moskva
505	clique	643692045	Sulfolobus islandicus	Sulfolobus islandicus M.14.25
505	clique	2548876770	Sulfolobus islandicus	Sulfolobus islandicus M.16.12
505	clique	2540341177	Sulfolobus islandicus	Sulfolobus islandicus LAL14/1
505	clique	643692044	Sulfolobus islandicus	Sulfolobus islandicus L.S.2.15
505	clique	643692049	Sulfolobus islandicus	Sulfolobus islandicus Y.N.15.51
505	clique	2548876771	Sulfolobus islandicus	Sulfolobus islandicus M.16.13
505	clique	2548876773	Sulfolobus islandicus	Sulfolobus islandicus M.16.30
505	clique	643692047	Sulfolobus islandicus	Sulfolobus islandicus M.16.4
505	clique	650377982	Sulfolobus islandicus	Sulfolobus islandicus REY15A
505	clique	643692048	Sulfolobus islandicus	Sulfolobus islandicus Y.G.57.14
505	clique	646311959	Sulfolobus islandicus	Sulfolobus islandicus L.D.8.5
505	clique	643692046	Sulfolobus islandicus	Sulfolobus islandicus M.16.27
505	clique	650377981	Sulfolobus islandicus	Sulfolobus islandicus HVE10/4
505	clique	2548876772	Sulfolobus islandicus	Sulfolobus islandicus M.16.22
505	clique	2548876774	Sulfolobus islandicus	Sulfolobus islandicus M.16.46
506	clique	646564518	Candidatus Sulcia muelleri	Candidatus Sulcia muelleri DMIN
506	clique	641228484	Candidatus Sulcia muelleri	Candidatus Sulcia muelleri GWSS
507	clique	2551306505	Bacillus anthracis	Bacillus anthracis 3154
507	clique	643692007	Bacillus cereus	Bacillus cereus 03BB102
507	clique	637000023	Bacillus thuringiensis	Bacillus thuringiensis sv konkukian 97-27
507	clique	637000015	Bacillus anthracis	Bacillus anthracis Sterne
507	clique	643886161	Bacillus cereus	Bacillus cereus 95/8201
507	clique	643886157	Bacillus cereus	Bacillus cereus Rock3-42
507	clique	639633008	Bacillus thuringiensis	Bacillus thuringiensis AI Hakam
507	clique	2519103167	Bacillus cereus	Bacillus cereus ISP3191
507	clique	641736135	Bacillus cereus	Bacillus cereus 03BB108
507	clique	638341011	Bacillus anthracis	Bacillus anthracis A2012 (Florida isolate)
507	clique	643886086	Bacillus thuringiensis	Bacillus thuringiensis sv andalousiensis BGSC 4AW1
507	clique	641736251	Bacillus anthracis	Bacillus anthracis A0174
507	clique	648028007	Bacillus anthracis	Bacillus anthracis CI
507	clique	2551306418	Bacillus sp.	Bacillus sp. WBUNB001_A
507	clique	2551306484	Bacillus anthracis	Bacillus anthracis Carbosap
507	clique	641736138	Bacillus anthracis	Bacillus anthracis Tsiankovskii-I
507	clique	641736173	Bacillus anthracis	Bacillus anthracis A0488
507	clique	637000013	Bacillus anthracis	Bacillus anthracis Ames Ancestor A2084
507	clique	641736159	Bacillus anthracis	Bacillus anthracis A0442
507	clique	2513237215	Bacillus anthracis	Bacillus anthracis H9401
507	clique	645058779	Bacillus anthracis	Bacillus anthracis CNEVA-9066
507	clique	641736182	Bacillus cereus	Bacillus cereus W
507	clique	2551306506	Bacillus anthracis	Bacillus anthracis 3166
507	clique	645058772	Bacillus anthracis	Bacillus anthracis Vollum
507	clique	643692006	Bacillus anthracis	Bacillus anthracis CDC 684
507	clique	2519899553	Bacillus anthracis	Bacillus anthracis UR-1
507	clique	641736250	Bacillus anthracis	Bacillus anthracis A0465
507	clique	645058773	Bacillus anthracis	Bacillus anthracis Australia 94
507	clique	643348511	Bacillus cereus	Bacillus cereus AH820
507	clique	645058774	Bacillus anthracis	Bacillus anthracis WesternNA USA6153
507	clique	2503538038	Bacillus cereus	Bacillus cereus RCH_BC3 (Abyss contigs Sep '10)
507	clique	637000018	Bacillus cereus	Bacillus cereus E33L (ZK)
507	clique	643886093	Bacillus thuringiensis	Bacillus thuringiensis sv pulsisiensis BGSC 4CC1
507	clique	2513237193	Bacillus cereus	Bacillus cereus F837/76
507	clique	641736141	Bacillus cereus	Bacillus cereus NVH0597-99
507	clique	2548876742	Bacillus anthracis	Bacillus anthracis Heroin Ba4599
507	clique	643886126	Bacillus thuringiensis	Bacillus thuringiensis sv pondicheriensis BGSC 4BA1
507	clique	643886036	Bacillus cereus	Bacillus cereus BGSC 6E1
507	clique	641736155	Bacillus anthracis	Bacillus anthracis A0389
507	clique	637000014	Bacillus anthracis	Bacillus anthracis Ames
507	clique	645058778	Bacillus anthracis	Bacillus anthracis A1055
507	clique	645058771	Bacillus anthracis	Bacillus anthracis Kruger B
507	clique	643692005	Bacillus anthracis	Bacillus anthracis A0248
507	clique	641736158	Bacillus anthracis	Bacillus anthracis A0193
507	clique	643886088	Bacillus thuringiensis	Bacillus thuringiensis sv monterrey BGSC 4AJ1
508	clique	2524614766	Leptotrichia hofstadii	Leptotrichia hofstadii DSM 21651
508	clique	645951860	Leptotrichia hofstadii	Leptotrichia hofstadii F0254
509	clique	640963023	Bacteroides caccae	Bacteroides caccae ATCC 43185
509	clique	2531839303	Bacteroides caccae	Bacteroides caccae CL03T12C61
510	clique	649989955	Helicobacter suis	Helicobacter suis H55
510	clique	649989954	Helicobacter suis	Helicobacter suis H51
511	clique	2519899752	Oenococcus oeni	Oenococcus oeni AWRIB419
511	clique	2534681817	Oenococcus oeni	Oenococcus oeni AWRIB202
511	clique	2537562032	Oenococcus oeni	Oenococcus oeni AWRIB129
511	clique	2519899760	Oenococcus oeni	Oenococcus oeni AWRIB548
511	clique	2515154139	Oenococcus oeni	Oenococcus oeni DSM 20252
511	clique	2519899759	Oenococcus oeni	Oenococcus oeni AWRIB422
511	clique	639633047	Oenococcus oeni	Oenococcus oeni PSU-1
511	clique	2519899757	Oenococcus oeni	Oenococcus oeni AWRIB576
511	clique	2519899762	Oenococcus oeni	Oenococcus oeni AWRIB568
511	clique	2537561616	Oenococcus oeni	Oenococcus oeni AWRIB318
511	clique	639857018	Oenococcus oeni	Oenococcus oeni ATCC BAA-1163

511	clique	2519899761	Oenococcus oeni	Oenococcus oeni AWRIB553
511	clique	2519899753	Oenococcus oeni	Oenococcus oeni AWRIB418
511	clique	647000285	Oenococcus oeni	Oenococcus oeni AWRIB429
511	clique	2529292811	Oenococcus oeni	Oenococcus oeni AWRIB304
512	clique	2513237182	Paenibacillus mucilaginosus	Paenibacillus mucilaginosus K02
512	clique	650716070	Paenibacillus mucilaginosus	Paenibacillus mucilaginosus KNP414
512	clique	2512564039	Paenibacillus mucilaginosus	Paenibacillus mucilaginosus 3016
513	clique	648861006	unclassified	Burkholderiales bacterium 1_1_47
513	clique	651324084	Parasutterella excrementihominis	Parasutterella excrementihominis YIT 11859
514	clique	638341211	Sulfitobacter sp.	Sulfitobacter sp. EE-36
514	clique	638341212	Sulfitobacter sp.	Sulfitobacter sp. NAS-14.1
515	clique	2519899696	Mycoplasma hominis	Mycoplasma hominis ATCC 27545
515	clique	646311946	Mycoplasma hominis	Mycoplasma hominis PG21, ATCC 23114
516	clique-group	2541047129	Microcystis aeruginosa	Microcystis aeruginosa TAIHU98
516	clique-group	2534681684	Microcystis aeruginosa	Microcystis aeruginosa PCC 9807
516	clique-group	2534681681	Microcystis aeruginosa	Microcystis aeruginosa PCC 9701
516	clique-group	2545824749	Microcystis aeruginosa	Microcystis aeruginosa SPC777
516	clique-group	2531839541	Microcystis sp.	Microcystis sp. T1-4
516	clique-group	2534681685	Microcystis aeruginosa	Microcystis aeruginosa PCC 9806
516	clique-group	2534681683	Microcystis aeruginosa	Microcystis aeruginosa PCC 9808
516	clique-group	2537562159	Microcystis aeruginosa	Microcystis aeruginosa PCC 9443
516	clique-group	2537562156	Microcystis aeruginosa	Microcystis aeruginosa PCC 7941
516	clique-group	2534681687	Microcystis aeruginosa	Microcystis aeruginosa PCC 9432
516	clique-group	2534681682	Microcystis aeruginosa	Microcystis aeruginosa PCC 9809
516	clique-group	2534681680	Microcystis aeruginosa	Microcystis aeruginosa PCC 9717
516	clique-group	2531839658	Microcystis aeruginosa	Microcystis aeruginosa DIANCHI905
516	clique-group	641522640	Microcystis aeruginosa	Microcystis aeruginosa NIES-843
517	clique	651324058	Lactobacillus coryniformis	Lactobacillus coryniformis coryniformis 34, KCTC 3167
517	clique	651324059	Lactobacillus coryniformis	Lactobacillus coryniformis torquens 30, KCTC 3535
517	clique	2534681632	Lactobacillus coryniformis	Lactobacillus coryniformis coryniformis CECT 5711
518	clique	2524614861	Bacillus coagulans	Bacillus coagulans ATCC 7050
518	clique	2548876526	Bacillus coagulans	Bacillus coagulans XZL4
518	clique	2551306088	Bacillus coagulans	Bacillus coagulans DSM 1
518	clique	650716010	Bacillus coagulans	Bacillus coagulans 2-6
518	clique	2551306459	Bacillus coagulans	Bacillus coagulans H-1
519	clique-group	646206270	Acinetobacter lwoffii	Acinetobacter lwoffii SH145
519	clique-group	2537562010	Acinetobacter lwoffii	Acinetobacter lwoffii NIPH 715
519	clique-group	2534682025	Acinetobacter lwoffii	Acinetobacter lwoffii CIP 70.31
519	clique-group	2551306339	Acinetobacter lwoffii	Acinetobacter lwoffii TG19636
520	clique	2517572217	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ4
520	clique	2517572221	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ8
520	clique	2522125060	Thioalkalivibrio sp.	Thioalkalivibrio sp. AL5
520	clique	2519899515	Thioalkalivibrio sp.	Thioalkalivibrio sp. ARh4
520	clique	2518645583	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ2
520	clique	2517572218	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ5
520	clique	2521172693	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ15
520	clique	2519103027	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ12
520	clique	2517572112	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ11
520	clique	2521172674	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALR8
520	clique	2519103025	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALgr1
520	clique	2521172543	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ9
521	clique	2512564015	unclassified	Methylophilaceae bacterium 11
521	clique	2516493026	Methylophilaceae bacterium 11	Methylophilaceae bacterium 11
522	clique	2541047090	Bifidobacterium bifidum	Bifidobacterium bifidum ATCC 29521
522	clique	649633015	Bifidobacterium bifidum	Bifidobacterium bifidum PRL2010
522	clique	2519899591	Bifidobacterium bifidum	Bifidobacterium bifidum IF10/10
522	clique	2537561799	Bifidobacterium bifidum	Bifidobacterium bifidum LMG 13195
522	clique	649633016	Bifidobacterium bifidum	Bifidobacterium bifidum S17
522	clique	2526164719	Bifidobacterium bifidum	Bifidobacterium bifidum BGN4
522	clique	643886040	Bifidobacterium bifidum	Bifidobacterium bifidum NCIMB 41171
523	clique-group	646206266	Bacteroides sp.	Bacteroides sp. 2_2_4
523	clique-group	641380449	Bacteroides ovatus	Bacteroides ovatus ATCC 8483
523	clique-group	2515154065	Bacteroides ovatus	Bacteroides ovatus NLAE-zl-H361
523	clique-group	2537561663	Bacteroides ovatus	Bacteroides ovatus CL02T12C04
523	clique-group	648861003	Bacteroides sp.	Bacteroides sp. 3_1_23
523	clique-group	2519103197	Bacteroides ovatus	Bacteroides ovatus NLAE-zl-H73
523	clique-group	647000213	Bacteroides ovatus	Bacteroides ovatus SD CMC 3f
523	clique-group	2537561666	Bacteroides ovatus	Bacteroides ovatus CL03T12C18
523	clique-group	651324012	Bacteroides ovatus	Bacteroides ovatus 3_8_47FAA
523	clique-group	2519103196	Bacteroides ovatus	Bacteroides ovatus NLAE-zl-H59
523	clique-group	2515154064	Bacteroides ovatus	Bacteroides ovatus NLAE-zl-H304
524	clique	2518645550	Mycobacterium sp.	Mycobacterium sp. MOTT36Y
524	clique	2541047007	Mycobacterium sp.	Mycobacterium sp. 05-1390
524	clique	645058739	Mycobacterium intracellulare	Mycobacterium intracellulare ATCC 13950
524	clique	2531839247	Mycobacterium sp.	Mycobacterium sp. H4Y
524	clique	2521172703	Mycobacterium indicus	Mycobacterium indicus pranii MTCC 9506
524	clique	2512564041	Mycobacterium intracellulare	Mycobacterium intracellulare MOTT-64
524	clique	2547132171	Mycobacterium intracellulare	Mycobacterium intracellulare M.i.198
524	clique	2512564050	Mycobacterium intracellulare	Mycobacterium intracellulare MOTT-02
524	clique	2519103109	Mycobacterium intracellulare	Mycobacterium intracellulare ATCC 13950
525	clique	2546825535	Thermoanaerobacter thermocopriae	Thermoanaerobacter thermocopriae ATCC 51646
525	clique	646564579	Thermoanaerobacter italicus	Thermoanaerobacter italicus Ab9, DSM 9252

525	clique	646564580	Thermoanaerobacter mathranii	Thermoanaerobacter mathranii mathranii A3, DSM 11426
526	clique	648276623	Bifidobacterium dentium	Bifidobacterium dentium ATCC 27679
526	clique	646311910	Bifidobacterium dentium	Bifidobacterium dentium Bd1
526	clique	649989915	Bifidobacterium dentium	Bifidobacterium dentium JCVHMP022
526	clique	641736189	Bifidobacterium dentium	Bifidobacterium dentium ATCC 27678
527	clique	2523231014	Mycoplasma arginini	Mycoplasma arginini ATCC 23838
527	clique	2519899698	Mycoplasma synoviae	Mycoplasma synoviae ATCC 25204
527	clique	637000185	Mycoplasma synoviae	Mycoplasma synoviae 53
528	clique	2531839463	Acinetobacter radioresistens	Acinetobacter radioresistens WC-A-157
528	clique	645058758	Acinetobacter radioresistens	Acinetobacter radioresistens SK82
528	clique	646206271	Acinetobacter radioresistens	Acinetobacter radioresistens SH164
528	clique	2531839506	Acinetobacter radioresistens	Acinetobacter radioresistens DSM 6976
528	clique	2547132307	Acinetobacter radioresistens	Acinetobacter radioresistens FO-1, DSM 6976
528	clique	2529293102	Acinetobacter radioresistens	Acinetobacter radioresistens NIPH 2130
528	clique	2529293101	Acinetobacter radioresistens	Acinetobacter radioresistens DSM 6976
528	clique	2551306337	Acinetobacter radioresistens	Acinetobacter radioresistens TGO2010
529	clique	645951877	Ureaplasma urealyticum	Ureaplasma urealyticum U38, sv 13, ATCC 33698
529	clique	2548876910	Ureaplasma urealyticum	Ureaplasma urealyticum 2033
529	clique	645951874	Ureaplasma urealyticum	Ureaplasma urealyticum sv 5, ATCC 27817
529	clique	645951875	Ureaplasma urealyticum	Ureaplasma urealyticum 58, sv 4, ATCC 27816
529	clique	645951872	Ureaplasma urealyticum	Ureaplasma urealyticum T 960, sv 8, ATCC 27618
529	clique	645951876	Ureaplasma urealyticum	Ureaplasma urealyticum 23, sv 2, ATCC 27814
529	clique	643348586	Ureaplasma urealyticum	Ureaplasma urealyticum Western sv 10, ATCC 33699
529	clique	645951879	Ureaplasma urealyticum	Ureaplasma urealyticum K2, sv 11, ATCC 33695
529	clique	2548876911	Ureaplasma urealyticum	Ureaplasma urealyticum 2608
529	clique	645951871	Ureaplasma urealyticum	Ureaplasma urealyticum Vancouver, sv 9, ATCC 33175
529	clique	645951878	Ureaplasma urealyticum	Ureaplasma urealyticum U24, sv 12, ATCC 33696
529	clique	2548876914	Ureaplasma urealyticum	Ureaplasma urealyticum 4318
529	clique	2548876912	Ureaplasma urealyticum	Ureaplasma urealyticum 4155
529	clique	645951873	Ureaplasma urealyticum	Ureaplasma urealyticum Co, sv 7, ATCC 27819
530	clique	2547132067	Methanobrevibacter smithii	Methanobrevibacter smithii TS95C
530	clique	2547132069	Methanobrevibacter smithii	Methanobrevibacter smithii TS96A
530	clique	2547132060	Methanobrevibacter smithii	Methanobrevibacter smithii TS147B
530	clique	2547132063	Methanobrevibacter smithii	Methanobrevibacter smithii TS94B
530	clique	2547132058	Methanobrevibacter smithii	Methanobrevibacter smithii TS146E
530	clique	2547132065	Methanobrevibacter smithii	Methanobrevibacter smithii TS95A
530	clique	2547132066	Methanobrevibacter smithii	Methanobrevibacter smithii TS95B
530	clique	2547132068	Methanobrevibacter smithii	Methanobrevibacter smithii TS95D
530	clique	2547132070	Methanobrevibacter smithii	Methanobrevibacter smithii TS96B
530	clique	2547132062	Methanobrevibacter smithii	Methanobrevibacter smithii TS94A
530	clique	2547132061	Methanobrevibacter smithii	Methanobrevibacter smithii TS147C
530	clique	2547132064	Methanobrevibacter smithii	Methanobrevibacter smithii TS94C
530	clique	2547132059	Methanobrevibacter smithii	Methanobrevibacter smithii TS147A
531	clique	2541047040	unclassified	Leptospira sp. P2653
531	clique	2534682341	Leptospira weilii	Leptospira weilii LNT 1234
531	clique	2548876968	Leptospira weilii	Leptospira weilii UI 14631
531	clique	2526164577	Leptospira weilii	Leptospira weilii 2006001855
531	clique	2548876967	Leptospira weilii	Leptospira weilii LNT 1194
531	clique	2534682342	Leptospira weilii	Leptospira weilii Ecochallenge
531	clique	2534682340	Leptospira weilii	Leptospira weilii UI 13098
532	clique	2519899580	Acinetobacter nosocomialis	Acinetobacter nosocomialis Ab22222
532	clique	2531839354	Acinetobacter baumannii	Acinetobacter baumannii WC-487
532	clique	2551306335	Acinetobacter nosocomialis	Acinetobacter nosocomialis TG21145
532	clique	2537561557	Acinetobacter nosocomialis	Acinetobacter nosocomialis NIPH 2119
532	clique	2551306341	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus TG19596
532	clique	2547132298	Acinetobacter sp.	Acinetobacter sp. genomospecies 13TU A 267, NCTC 8102
532	clique	2537562057	Acinetobacter baumannii	Acinetobacter baumannii OIFC021
532	clique	647533107	Acinetobacter sp.	Acinetobacter sp. RUH2624
532	clique	2534682018	Acinetobacter nosocomialis	Acinetobacter nosocomialis NIPH 386
533	clique	2548876823	Vibrio cyclitrophicus	Vibrio cyclitrophicus 1F111
533	clique	2548876835	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF99
533	clique	2548876836	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF207
533	clique	2548876829	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF30
533	clique	2548876838	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF264
533	clique	2548876831	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF28
533	clique	2548876827	Vibrio cyclitrophicus	Vibrio cyclitrophicus FF274
533	clique	2548876839	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF255
533	clique	2548876820	Vibrio cyclitrophicus	Vibrio cyclitrophicus 1F53
533	clique	2548876833	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF65
533	clique	2548876824	Vibrio cyclitrophicus	Vibrio cyclitrophicus 1F273
533	clique	2548876830	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF14
533	clique	2548876837	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF270
533	clique	2548876822	Vibrio cyclitrophicus	Vibrio cyclitrophicus 1F175
533	clique	2548876828	Vibrio cyclitrophicus	Vibrio cyclitrophicus FF160
533	clique	2548876832	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF205
533	clique	2548876821	Vibrio cyclitrophicus	Vibrio cyclitrophicus 1F97
533	clique	2548876834	Vibrio cyclitrophicus	Vibrio cyclitrophicus ZF170
533	clique	2548876826	Vibrio cyclitrophicus	Vibrio cyclitrophicus 1F289
533	clique	2548876825	Vibrio cyclitrophicus	Vibrio cyclitrophicus FF75
534	clique	2551306331	Mycoplasma pneumoniae	Mycoplasma pneumoniae 19294
534	clique	2551306510	Mycoplasma pneumoniae	Mycoplasma pneumoniae PO1
534	clique	2511231209	Mycoplasma pneumoniae	Mycoplasma pneumoniae 309

534	clique	2521172699	Mycoplasma pneumoniae	Mycoplasma pneumoniae M129-B7
534	clique	637000183	Mycoplasma pneumoniae	Mycoplasma pneumoniae M129
534	clique	648231715	Mycoplasma pneumoniae	Mycoplasma pneumoniae FH
534	clique	2551306509	Mycoplasma pneumoniae	Mycoplasma pneumoniae PI 1428
535	clique	2537561807	Burkholderia multivorans	Burkholderia multivorans CF2
535	clique	642555111	Burkholderia multivorans	Burkholderia multivorans ATCC 17616
535	clique	643886021	Burkholderia multivorans	Burkholderia multivorans CGD2
535	clique	643886020	Burkholderia multivorans	Burkholderia multivorans CGD1
535	clique	2537561808	Burkholderia multivorans	Burkholderia multivorans CEPA002, ATCC BAA-247
535	clique	643886018	Burkholderia multivorans	Burkholderia multivorans CGD2M
535	clique	641228482	Burkholderia multivorans	Burkholderia multivorans ATCC 17616
536	clique	645058713	Neisseria gonorrhoeae	Neisseria gonorrhoeae FA19
536	clique	645058740	Neisseria gonorrhoeae	Neisseria gonorrhoeae SK-93-1035
536	clique	645058751	Neisseria gonorrhoeae	Neisseria gonorrhoeae MS11
536	clique	645058801	Neisseria gonorrhoeae	Neisseria gonorrhoeae 35/02
536	clique	637000188	Neisseria gonorrhoeae	Neisseria gonorrhoeae FA 1090
536	clique	647533186	Neisseria gonorrhoeae	Neisseria gonorrhoeae 1291
536	clique	645058715	Neisseria gonorrhoeae	Neisseria gonorrhoeae DGI18
536	clique	645951809	Neisseria gonorrhoeae	Neisseria gonorrhoeae DGI2
536	clique	645058747	Neisseria gonorrhoeae	Neisseria gonorrhoeae PID24-1
536	clique	651053047	Neisseria gonorrhoeae	Neisseria gonorrhoeae TCDC-NG08107
536	clique	645058710	Neisseria gonorrhoeae	Neisseria gonorrhoeae SK-92-679
536	clique	645058745	Neisseria gonorrhoeae	Neisseria gonorrhoeae PID332
536	clique	645058750	Neisseria gonorrhoeae	Neisseria gonorrhoeae PID18
536	clique	647533187	Neisseria gonorrhoeae	Neisseria gonorrhoeae F62
536	clique	645058714	Neisseria gonorrhoeae	Neisseria gonorrhoeae FA6140
536	clique	645058731	Neisseria gonorrhoeae	Neisseria gonorrhoeae PID1
537	clique-group	2264867123	unclassified	Cloacimonetes bacterium SCGC AAA252-P10 (SAK_001_90)
537	clique-group	2518285600	unclassified	Cloacimonetes bacterium SCGC AAA252-N14 ((SAK_002_78))
537	clique-group	2264867115	unclassified	Cloacimonetes bacterium SCGC AAA252-M08 (SAK_001_72)
537	clique-group	2264867111	unclassified	Cloacimonetes bacterium SCGC AAA252-I16 (SAK_001_56)
537	clique-group	2264867106	unclassified	Cloacimonetes bacterium SCGC AAA252-E20 (SAK_001_44)
537	clique-group	2264867119	unclassified	Cloacimonetes bacterium SCGC AAA252-N17 (SAK_001_79)
537	clique-group	2264867109	unclassified	Cloacimonetes bacterium SCGC AAA252-G08 (SAK_001_51)
537	clique-group	2527291517	unclassified	Cloacimonetes bacterium SCGC AAA252-E13 (Combined_Assembly_KSB1_1_KSB1)
537	clique-group	2264867110	unclassified	Cloacimonetes bacterium SCGC AAA252-I11 (SAK_001_53)
537	clique-group	2264867121	unclassified	Cloacimonetes bacterium SCGC AAA252-O17 (SAK_001_87)
538	clique	2541047569	Gardnerella vaginalis	Gardnerella vaginalis JCP8151A
538	clique	2541047570	Gardnerella vaginalis	Gardnerella vaginalis JCP8151B
538	clique	2541047567	Gardnerella vaginalis	Gardnerella vaginalis JCP8070
538	clique	2541047573	Gardnerella vaginalis	Gardnerella vaginalis JCP8522
538	clique	2541047566	Gardnerella vaginalis	Gardnerella vaginalis JCP8066
539	clique	2534681605	Parabacteroides merdae	Parabacteroides merdae CL09T00C40
539	clique	2529293058	Parabacteroides merdae	Parabacteroides merdae CL03T12C32
539	clique	640963016	Parabacteroides merdae	Parabacteroides merdae ATCC 43184
540	clique	2551306047	Vibrio crassostreae	Vibrio crassostreae 9ZC88
540	clique	2551306051	Vibrio crassostreae	Vibrio crassostreae 9ZC13
540	clique	2551306046	Vibrio crassostreae	Vibrio crassostreae 9CS106
540	clique	2551306048	Vibrio crassostreae	Vibrio crassostreae 9ZC77
540	clique	2551306041	Vibrio crassostreae	Vibrio crassostreae ZF-91
541	clique	651324075	Neisseria macacae	Neisseria macacae ATCC 33926
541	clique	2513237394	Neisseria sp.	Neisseria sp. GT4A_CT1
542	clique	641736200	Ureaplasma parvum	Ureaplasma parvum sv 6, ATCC 27818
542	clique	641736108	Ureaplasma parvum	Ureaplasma parvum sv 1, ATCC 27813
542	clique	641736107	Ureaplasma parvum	Ureaplasma parvum U26, sv 14, ATCC 33697
542	clique	637000332	Ureaplasma parvum	Ureaplasma parvum sv 3, ATCC 700970
542	clique	641522658	Ureaplasma parvum	Ureaplasma parvum sv 3, ATCC 27815
543	clique	2551306334	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus TG19585
543	clique	2551306336	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus TG19588
543	clique	646206267	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus RUH2202
543	clique	2534682017	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus DSM 30006
543	clique	2534682019	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus NIPH 13
543	clique	2547132303	Acinetobacter baumannii	Acinetobacter calcoaceticus 1, DSM 30006
544	clique	2519899693	Brachyspira hyodysenteriae	Brachyspira hyodysenteriae ATCC 27164
544	clique	643692010	Brachyspira hyodysenteriae	Brachyspira hyodysenteriae WA1, ATCC 49526
545	clique	2527291513	unclassified	Crenarchaeota archaeon SCGC AAA471-B05 (Combined_Assembly_YNPFFA_1_YNPFFA)
545	clique	2264867000	unclassified	Crenarchaeota archaeon SCGC AAA471-O08 (GBS-N_001_29)
545	clique	2264867002	unclassified	Crenarchaeota archaeon SCGC AAA471-B23 (GBS-N_001_5)
545	clique	2264867269	unclassified	Crenarchaeota archaeon SCGC AAA471-L14 (GBS-N_001_23)
546	clique	2537561995	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus CNCM I-1632
546	clique	649633062	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus ND02
546	clique	2545824758	Lactobacillus delbrueckii	Lactobacillus delbrueckii lactis CRL581
546	clique	637000139	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus ATCC 11842
546	clique	639633029	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus ATCC BAA-365
546	clique	2534682072	Lactobacillus delbrueckii	Lactobacillus delbrueckii lactis DSM 20072
546	clique	2537561996	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus CNCM I-1519
546	clique	650377954	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus 2038
546	clique	648276681	Lactobacillus delbrueckii	Lactobacillus delbrueckii bulgaricus PB2003/044-T3-4
546	clique	2541047507	Lactobacillus delbrueckii	Lactobacillus delbrueckii ZN7a-9
547	clique	2523533593	Planktothrix sp.	Planktothrix sp. NIVA-CYA407
547	clique	2505679099	Planktothrix unclassified	Planktothrix NIVA-CYA405
547	clique	2507262029	Planktothrix sp.	Planktothrix sp. st147

547	clique	2523533592	Planktothrix agardhii	Planktothrix agardhii NIVA-CYA 56/3
547	clique	2505679100	Planktothrix unclassified	Planktothrix NIVA-CYA406
547	clique	2506381012	Planktothrix Planktothrix	Planktothrix agardhii NIVA-CYA 34
547	clique	2506381000	Planktothrix Planktothrix	Planktothrix sp. NIVA CYA 15
547	clique	2506381002	Planktothrix sp.	Planktothrix sp. 585
547	clique	2503242000	Planktothrix agardhii	Planktothrix agardhii NIVA-CYA 126/8
547	clique	2512875029	Planktothrix prolifica	Planktothrix prolifica NIVA-CYA 540 (Draft1)
547	clique	2506381013	Planktothrix rubescens	Planktothrix rubescens NIVA-CYA 98
548	clique	2529293059	Finegoldia magna	Finegoldia magna HMS01
548	clique	641522627	Finegoldia magna	Finegoldia magna ATCC 29328
548	clique	648276674	Finegoldia magna	Finegoldia magna ACS-171-V-CoI3
548	clique	648276676	Finegoldia magna	Finegoldia magna BVS033A4
549	clique	637000079	Clostridium perfringens	Clostridium perfringens 13
549	clique	641736152	Clostridium perfringens	Clostridium perfringens NCTC 8239
549	clique	642555126	Clostridium perfringens	Clostridium perfringens SM101
549	clique	637000077	Clostridium perfringens	Clostridium perfringens ATCC 13124
549	clique	641736146	Clostridium perfringens	Clostridium perfringens type B - ATCC 3626
549	clique	641736249	Clostridium perfringens	Clostridium perfringens type D - JGS1721
549	clique	641736143	Clostridium perfringens	Clostridium perfringens type C - JGS1495
549	clique	641736145	Clostridium perfringens	Clostridium perfringens type E - JGS1987
549	clique	2537561919	Clostridium perfringens	Clostridium perfringens WAL-14572
549	clique	641736153	Clostridium perfringens	Clostridium perfringens CPE F4969
550	clique	2534681815	Xylella fastidiosa	Xylella fastidiosa EB92.1
550	clique	648231719	Xylella fastidiosa	Xylella fastidiosa fastidiosa GB514
550	clique	637000349	Xylella fastidiosa	Xylella fastidiosa Temecula1
550	clique	2524614868	Xylella fastidiosa	Xylella fastidiosa multiplex ATCC 35871
550	clique	638341237	Xylella fastidiosa	Xylella fastidiosa Dixon
550	clique	2504643008	Xylella fastidiosa	Xylella fastidiosa Mullberry
550	clique	641522659	Xylella fastidiosa	Xylella fastidiosa M12
550	clique	641522660	Xylella fastidiosa	Xylella fastidiosa M23
550	clique	2509601014	Xylella fastidiosa	Xylella fastidiosa sandyi Ann-1
550	clique	637000348	Xylella fastidiosa	Xylella fastidiosa 9a5c
550	clique	2510065069	Xylella fastidiosa	Xylella fastidiosa Fb7
551	clique	2503242003	Haemophilus ducreyi	Haemophilus ducreyi HMC112
551	clique	2503242001	Haemophilus ducreyi	Haemophilus ducreyi 511
551	clique	637000124	Haemophilus ducreyi	Haemophilus ducreyi 35000HP
551	clique	2503198010	Haemophilus ducreyi	Haemophilus ducreyi 025
551	clique	2503242002	Haemophilus ducreyi	Haemophilus ducreyi ATCC 33921
552	clique	651324015	unclassified	Bradyrhizobiaceae bacterium SG-6C
552	clique	2537561906	Afipia clevelandensis	Afipia clevelandensis ATCC 49720
553	clique	651053017	Clostridium acetobutylicum	Clostridium acetobutylicum EA 2018
553	clique	637000076	Clostridium acetobutylicum	Clostridium acetobutylicum ATCC 824
553	clique	650716024	Clostridium acetobutylicum	Clostridium acetobutylicum DSM 1731
554	clique	647000259	Haemophilus influenzae	Haemophilus influenzae NT127
554	clique	640612217	Haemophilus influenzae	Haemophilus influenzae NTHI 3655
554	clique	637000126	Haemophilus influenzae	Haemophilus influenzae Rd (KW20)
554	clique	649633050	Haemophilus influenzae	Haemophilus influenzae F3031
554	clique	640427116	Haemophilus influenzae	Haemophilus influenzae NTHI PittEE
554	clique	645058852	Haemophilus influenzae	Haemophilus influenzae NTHI 7P49H1
554	clique	640612207	Haemophilus influenzae	Haemophilus influenzae NTHI PittHH
554	clique	647000260	Haemophilus influenzae	Haemophilus influenzae RdAW
554	clique	651324038	Haemophilus aegyptius	Haemophilus aegyptius ATCC 11116
554	clique	650377944	Haemophilus influenzae	Haemophilus influenzae B 10810
554	clique	649633051	Haemophilus influenzae	Haemophilus influenzae F3047
554	clique	640612218	Haemophilus influenzae	Haemophilus influenzae NTHI PittAA
554	clique	645058802	Haemophilus influenzae	Haemophilus influenzae 6P18H1
554	clique	640427117	Haemophilus influenzae	Haemophilus influenzae NTHI PittGG
554	clique	650377946	Haemophilus influenzae	Haemophilus influenzae R2866
554	clique	637000125	Haemophilus influenzae	Haemophilus influenzae NTHI 86-028NP
554	clique	650377945	Haemophilus influenzae	Haemophilus influenzae R2846
554	clique	640612208	Haemophilus influenzae	Haemophilus influenzae NTHI PittII
554	clique	640612216	Haemophilus influenzae	Haemophilus influenzae NTHI 22.4-21, ST165
555	clique	645058826	Burkholderia thailandensis	Burkholderia thailandensis E264, ATCC 700388
555	clique	641736124	Burkholderia thailandensis	Burkholderia thailandensis TXDOH
555	clique	2547132251	Burkholderia thailandensis	Burkholderia thailandensis E355
555	clique	641736132	Burkholderia thailandensis	Burkholderia thailandensis Bt4
555	clique	637000052	Burkholderia thailandensis	Burkholderia thailandensis E264
556	clique	651324070	unclassified	Megasphaera genomosp. UPII 199-6
556	clique	647000271	unclassified	Megasphaera genomosp. type_1 28L
557	clique	649990017	Streptococcus vestibularis	Streptococcus vestibularis F0396
557	clique	649990016	Streptococcus vestibularis	Streptococcus vestibularis ATCC 49124
558	clique	2503283005	Crocospaera watsonii	Crocospaera watsonii WH 0003 ((899 contigs))
558	clique	2503283007	Crocospaera watsonii	Crocospaera watsonii WH 0401 (draft1)
558	clique	2531839001	Crocospaera watsonii	Crocospaera watsonii WH 0003
558	clique	2503283009	Crocospaera watsonii	Crocospaera watsonii WH 8501
558	clique	638341074	Crocospaera watsonii	Crocospaera watsonii WH 8501
559	clique	651324063	Lactobacillus iners	Lactobacillus iners UPII 143-D
559	clique	649989961	Lactobacillus iners	Lactobacillus iners LEAF 2053A-b
559	clique	649989966	Lactobacillus iners	Lactobacillus iners LactinV 09V1-c
559	clique	649989967	Lactobacillus iners	Lactobacillus iners LactinV 11V1-d
559	clique	648276682	Lactobacillus iners	Lactobacillus iners AB-1
559	clique	651324062	Lactobacillus iners	Lactobacillus iners SPIN 1401G

559	clique	651324064	Lactobacillus iners	Lactobacillus iners UPII 60-B
559	clique	649989962	Lactobacillus iners	Lactobacillus iners LEAF 2062A-h1
559	clique	649989968	Lactobacillus iners	Lactobacillus iners SPIN 2503V10-D
559	clique	649989959	Lactobacillus iners	Lactobacillus iners ATCC 55195
559	clique	649989965	Lactobacillus iners	Lactobacillus iners LactinV 03V1-b
559	clique	645951832	Lactobacillus iners	Lactobacillus iners DSM 13335
559	clique	649989960	Lactobacillus iners	Lactobacillus iners LEAF 2052A-d
559	clique	649989963	Lactobacillus iners	Lactobacillus iners LEAF 3008A-a
559	clique	2513237395	Lactobacillus sp.	Lactobacillus sp. 7_1_47FAA
560	clique	2545824669	Enterococcus raffinosus	Enterococcus raffinosus ATCC 49464
560	clique	2554235108	Enterococcus raffinosus	Enterococcus raffinosus cftri2200
561	clique	2506210010	Francisella tularensis	Francisella tularensis tularensis FSC041
561	clique	2504643031	Francisella tularensis	Francisella tularensis holarctica FSC200
561	clique	637000111	Francisella tularensis	Francisella tularensis holarctica LVS
561	clique	2506210015	Francisella tularensis	Francisella tularensis holarctica FSC185
561	clique	640753028	Francisella tularensis	Francisella tularensis holarctica FTA (FTNF002-00)
561	clique	2545824677	Francisella tularensis	Francisella tularensis tularensis 80700075
561	clique	2531839642	Francisella tularensis	Francisella tularensis tularensis 79201237
561	clique	640069311	Francisella tularensis	Francisella tularensis tularensis A.II, Wyoming, WY96-3418
561	clique	2519899555	Francisella tularensis	Francisella tularensis tularensis 80700103
561	clique	647533164	Francisella tularensis	Francisella tularensis novicida GA99-3549
561	clique	646862328	Francisella tularensis	Francisella tularensis tularensis NE061598
561	clique	2505119038	Francisella tularensis	Francisella tularensis tularensis MA00-2987
561	clique	647000250	Francisella tularensis	Francisella tularensis holarctica URFT1
561	clique	2506210011	Francisella tularensis	Francisella tularensis tularensis FSC042
561	clique	2519899557	Francisella tularensis	Francisella tularensis tularensis 831
561	clique	2505679090	Francisella tularensis	Francisella tularensis holarctica FSC022
561	clique	2506210013	Francisella tularensis	Francisella tularensis holarctica FSC124
561	clique	641522629	Francisella tularensis	Francisella tularensis mediasiatica FSC147
561	clique	2506210020	Francisella tularensis	Francisella tularensis tularensis FSC604
561	clique	2504756032	Francisella novicida	Francisella novicida FSC595
561	clique	2506210017	Francisella tularensis	Francisella tularensis holarctica FSC250
561	clique	2505119034	Francisella tularensis	Francisella tularensis holarctica MI001730
561	clique	2504756029	Francisella novicida	Francisella novicida FSC160
561	clique	2531839641	Francisella tularensis	Francisella tularensis tularensis 1378
561	clique	2519899556	Francisella tularensis	Francisella tularensis tularensis AS_713
561	clique	651053026	Francisella tularensis	Francisella tularensis novicida Fx1
561	clique	637000112	Francisella tularensis	Francisella tularensis holarctica OSU18
561	clique	647533165	Francisella tularensis	Francisella tularensis holarctica 257
561	clique	2505119039	Francisella tularensis	Francisella tularensis holarctica FSC208
561	clique	2505119032	Francisella tularensis	Francisella tularensis ATCC 6223
561	clique	2506210009	Francisella tularensis	Francisella tularensis holarctica FSC035
561	clique	2537562079	Francisella tularensis	Francisella tularensis tularensis 80700069
561	clique	2512564035	Francisella tularensis	Francisella tularensis TI0902
561	clique	2531839643	Francisella tularensis	Francisella tularensis tularensis 3571
561	clique	647533163	Francisella tularensis	Francisella tularensis novicida GA99-3548
561	clique	642791609	Francisella tularensis	Francisella tularensis novicida FTE
561	clique	2504756028	Francisella novicida	Francisella novicida FSC159
561	clique	2506210016	Francisella tularensis	Francisella tularensis holarctica FSC247
561	clique	2504756021	Francisella tularensis	Francisella tularensis holarctica FSC021
561	clique	639633024	Francisella tularensis	Francisella tularensis novicida U112
561	clique	2529292808	Francisella tularensis	Francisella tularensis tularensis 70102012
561	clique	2519899533	Francisella tularensis	Francisella tularensis holarctica F92
561	clique	2504756026	Francisella tularensis	Francisella tularensis mediasiatica FSC148
561	clique	2506210018	Francisella tularensis	Francisella tularensis holarctica FSC456
561	clique	2506210012	Francisella tularensis	Francisella tularensis holarctica FSC115
561	clique	642979314	Francisella tularensis	Francisella tularensis novicida FTG, UT01-4992
561	clique	2505119035	Francisella tularensis	Francisella tularensis holarctica RC503
561	clique	2531839334	Francisella tularensis	Francisella tularensis tularensis 70001275
561	clique	2519899554	Francisella tularensis	Francisella tularensis tularensis 80700075
561	clique	2504756024	Francisella tularensis	Francisella tularensis tularensis FSC054
561	clique	637000113	Francisella tularensis	Francisella tularensis tularensis FSC 198
561	clique	2512564026	Francisella tularensis	Francisella tularensis TIGB03
561	clique	2504756031	Francisella tularensis	Francisella tularensis holarctica FSC539
561	clique	2506210019	Francisella tularensis	Francisella tularensis holarctica FSC584
561	clique	637000114	Francisella tularensis	Francisella tularensis tularensis CHU 54
561	clique	647533167	Francisella tularensis	Francisella tularensis tularensis FSC033
561	clique	2505119033	Francisella tularensis	Francisella tularensis holarctica OR96246
561	clique	2506210014	Francisella tularensis	Francisella tularensis holarctica FSC162
562	clique	648276612	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 4 M62
562	clique	648276609	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 13 N273
562	clique	648276610	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 2 4226
562	clique	648276606	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 10 D13039
562	clique	641522604	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 3 JL03
562	clique	2551306200	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae S8
562	clique	638341004	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 1 4074
562	clique	648276615	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 9 CVJ13261
562	clique	648276611	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 2 S1536
562	clique	648276607	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 11 56153
562	clique	642555103	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 7 AP76
562	clique	648276605	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 1 4074
562	clique	648276613	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 6 Femo

562	clique	640069302	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae L20
562	clique	648276608	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 12 1096
562	clique	648276614	Actinobacillus pleuropneumoniae	Actinobacillus pleuropneumoniae sv 6 Femo
563	clique	2551306006	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2346
563	clique	2548877059	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2345
563	clique	2548877074	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 725
563	clique	2548877078	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 280
563	clique	2548877087	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis ORST4
563	clique	2548877062	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 1994
563	clique	2551306032	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG27
563	clique	2551306034	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis AT6B
563	clique	2551306014	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis Xam672
563	clique	2548877083	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2665
563	clique	2548877060	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 1182
563	clique	2548877072	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 285
563	clique	2551306017	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG24
563	clique	2551306012	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA556
563	clique	2548877085	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA324
563	clique	2551306008	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2539
563	clique	2551306029	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG51
563	clique	2551306036	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis CFBP1851
563	clique	2548877091	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 614
563	clique	2551306038	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis AFNC1360
563	clique	2551306011	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA306
563	clique	2551306023	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG28
563	clique	2548877070	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis CIO1
563	clique	2548877082	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 289
563	clique	2551306001	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2538
563	clique	2548877065	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis CIO151
563	clique	2548877093	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 356
563	clique	2551306027	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA560
563	clique	2548877077	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2666
563	clique	2548877094	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis NCPPB 1159
563	clique	2551306003	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA226
563	clique	2551306016	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG23
563	clique	2548877089	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis ORST X27
563	clique	2548877080	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2819
563	clique	2551306021	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG44
563	clique	2548877073	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2821
563	clique	2548877079	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA536
563	clique	2551306031	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG21
563	clique	2551306026	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG45
563	clique	2551306015	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG43
563	clique	2551306005	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis ThaiXam
563	clique	2548877075	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA303
563	clique	2548877096	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2673
563	clique	2548877086	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA323
563	clique	2548877071	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 320
563	clique	2548877084	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2667
563	clique	2551306018	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis Xam678
563	clique	2548877061	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 1411
563	clique	2551306013	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UG39
563	clique	2548877081	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2816
563	clique	2551306000	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 278
563	clique	2551306028	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis Xam669
563	clique	2551306007	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 726
563	clique	2551306010	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis ORST17
563	clique	2548877090	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2820
563	clique	2548877076	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2670
563	clique	2548877095	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis NG1
563	clique	2548877088	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 436
563	clique	2551306004	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2818
563	clique	2551306022	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis UA686
563	clique	2551306002	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2672
563	clique	2551306009	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 321
563	clique	2551306020	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis Xam1134
563	clique	2551306030	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis Xam668
563	clique	2548877092	Xanthomonas axonopodis	Xanthomonas axonopodis pv. manihotis IBSBF 2822
564	clique	648276677	Gardnerella vaginalis	Gardnerella vaginalis 5-1
564	clique	646311928	Gardnerella vaginalis	Gardnerella vaginalis 409-05
565	clique	2519899667	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE23
565	clique	2519103013	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE18
565	clique	2522125115	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE19
565	clique	2519899644	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE10
565	clique	2517572113	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALgr3
565	clique	2519103014	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE20
565	clique	2519899666	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALE11
566	clique	650377952	Helicobacter pylori	Helicobacter pylori SouthAfrica7
566	clique	2554235464	Helicobacter pylori	Helicobacter pylori SouthAfrica20
567	clique	2545824721	Piscirickettsia salmonis	Piscirickettsia salmonis LF-89
567	clique	2551306388	Piscirickettsia salmonis	Piscirickettsia salmonis LF-89, ATCC VR-1361
568	clique	643692038	Streptococcus equi	Streptococcus equi equi 4047

568	clique	2547132074	<i>Streptococcus equi</i>	<i>Streptococcus equi</i> zoepidemicus ST 123
568	clique	2511231157	<i>Streptococcus equi</i>	<i>Streptococcus equi</i> zoepidemicus ATCC 35246
568	clique	642555163	<i>Streptococcus equi</i>	<i>Streptococcus equi</i> zoepidemicus MGCS10565
568	clique	643692039	<i>Streptococcus equi</i>	<i>Streptococcus equi</i> zoepidemicus H70
569	clique	637000144	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i> lactis II1403
569	clique	646311940	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i> lactis KF147
569	clique	2548876850	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i> lactis YF11
569	clique	2509276043	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i> S3
569	clique	2534682039	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i> cremoris CNCM I-1631
569	clique	651053041	<i>Lactococcus lactis</i>	<i>Lactococcus lactis</i> lactis CV56
570	clique	2503242012	<i>Bacillus coagulans</i>	<i>Bacillus coagulans</i> 36D1, ATCC PTA-5827 (<i>Bacillus coagulans</i> 36D1 UF finished)
570	clique	2522572060	<i>Bacillus coagulans</i>	<i>Bacillus coagulans</i> CSIL1
570	clique	2554235021	<i>Bacillus coagulans</i>	<i>Bacillus coagulans</i> XZL9
571	clique-group	2537561989	<i>Streptococcus sanguinis</i>	<i>Streptococcus sanguinis</i> SK408
571	clique-group	2537561985	<i>Streptococcus sanguinis</i>	<i>Streptococcus sanguinis</i> SK1058
571	clique-group	2537561988	<i>Streptococcus sanguinis</i>	<i>Streptococcus sanguinis</i> SK678
571	clique-group	2537561986	<i>Streptococcus sanguinis</i>	<i>Streptococcus sanguinis</i> SK405
571	clique-group	2531839560	<i>Streptococcus sanguinis</i>	<i>Streptococcus sanguinis</i> SK1
572	clique	2554235449	<i>Dehalococcoides mccartyi</i>	<i>Dehalococcoides mccartyi</i> GY50
572	clique	646311919	<i>Dehalococcoides mccartyi</i>	<i>Dehalococcoides mccartyi</i> VS
573	clique	2554235096	<i>Enterobacter cloacae</i>	<i>Enterobacter cloacae</i> MR2
573	clique	646564529	<i>Enterobacter cloacae</i>	<i>Enterobacter cloacae</i> cloacae ATCC 13047
574	clique	2548876988	<i>Cronobacter dublinensis</i>	<i>Cronobacter dublinensis</i> dublinensis LMG 23823
574	clique	2531839500	<i>Cronobacter dublinensis</i>	<i>Cronobacter dublinensis</i> 1210
574	clique	2548876991	<i>Cronobacter dublinensis</i>	<i>Cronobacter dublinensis</i> lausannensis LMG 23824
574	clique	2548876989	<i>Cronobacter dublinensis</i>	<i>Cronobacter dublinensis</i> lactaridi LMG 23825
575	clique	2508501028	<i>Cellulosimicrobium cellulans</i>	<i>Cellulosimicrobium cellulans</i> J36
575	clique	2505679049	<i>Cellulosimicrobium cellulans</i>	<i>Cellulosimicrobium cellulans</i> J34
575	clique	2528768221	<i>Cellulosimicrobium cellulans</i>	<i>Cellulosimicrobium cellulans</i> J1
575	clique	2505679048	<i>Cellulosimicrobium cellulans</i>	<i>Cellulosimicrobium cellulans</i> J1
576	clique	645058809	<i>Alteromonas macleodii</i>	<i>Alteromonas macleodii</i> ATCC 27126
576	clique	2521172683	<i>Alteromonas macleodii</i>	<i>Alteromonas macleodii</i> English Channel 673
576	clique	2521172706	<i>Alteromonas macleodii</i>	<i>Alteromonas macleodii</i> Balearic Sea AD45
576	clique	2554235747	<i>Alteromonas macleodii</i>	<i>Alteromonas macleodii</i> ATCC 27126
577	clique	2531839262	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas fluorescens</i> BbC6R8
577	clique	2519899622	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. Ag1
578	clique	637000142	<i>Lactobacillus sakei</i>	<i>Lactobacillus sakei</i> sakei 23K
578	clique	2545824759	<i>Lactobacillus sakei</i>	<i>Lactobacillus sakei</i> sakei LS25
579	clique	2546825503	<i>Streptococcus</i> sp.	<i>Streptococcus</i> sp. I-P16
579	clique	2546825502	<i>Streptococcus</i> sp.	<i>Streptococcus</i> sp. I-G2
580	clique	2540341080	<i>Mycoplasma genitalium</i>	<i>Mycoplasma genitalium</i> M6282
580	clique	2512564088	<i>Mycoplasma genitalium</i>	<i>Mycoplasma genitalium</i> M2321 (Second Assembly Apr12)
580	clique	2540341081	<i>Mycoplasma genitalium</i>	<i>Mycoplasma genitalium</i> M6320
580	clique	637000176	<i>Mycoplasma genitalium</i>	<i>Mycoplasma genitalium</i> G37
580	clique	2540341178	<i>Mycoplasma genitalium</i>	<i>Mycoplasma genitalium</i> M2288
581	clique	2508501017	<i>Haloarcula sinaiensis</i>	<i>Haloarcula sinaiensis</i> ATCC 33800
581	clique	638154503	<i>Haloarcula marismortui</i>	<i>Haloarcula marismortui</i> ATCC 43049
581	clique	2508501016	<i>Haloarcula californiae</i>	<i>Haloarcula californiae</i> BJGN-2, ATCC 33799
581	clique	2531839655	<i>Haloarcula californiae</i>	<i>Haloarcula californiae</i> ATCC 33799
581	clique	2554235510	<i>Haloarcula sinaiensis</i>	<i>Haloarcula sinaiensis</i> ATCC 33800
582	clique	645058700	<i>Propionibacterium acidifaciens</i>	<i>Propionibacterium acidifaciens</i> F0233
582	clique	643886148	<i>Porphyromonas endodontalis</i>	<i>Porphyromonas endodontalis</i> ATCC 35406
583	clique	643886141	<i>Helicobacter cinaedi</i>	<i>Helicobacter cinaedi</i> CCUG 18818
583	clique	2540341158	<i>Helicobacter cinaedi</i>	<i>Helicobacter cinaedi</i> PAGU611
583	clique	2554235363	<i>Helicobacter cinaedi</i>	<i>Helicobacter cinaedi</i> ATCC BAA-847
584	clique	2545824740	<i>Cycloclasticus</i> sp.	<i>Cycloclasticus</i> sp. PY97M
584	clique	2554235414	<i>Cycloclasticus zancles</i>	<i>Cycloclasticus zancles</i> 7-ME
584	clique	2517572241	<i>Cycloclasticus pugetii</i>	<i>Cycloclasticus pugetii</i> PS-1
584	clique	2519899538	<i>Cycloclasticus</i> sp.	<i>Cycloclasticus</i> sp. P1
585	clique	2551306217	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> S12
585	clique	2518645549	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> DOT-T1E
585	clique	2531839204	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> LS46
585	clique	2531839275	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> TRO1
585	clique	2551306527	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> SJTE-1
585	clique	2518645571	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> ND6
585	clique	650377963	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> BIRD-1
585	clique	2547132119	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> Idaho
585	clique	640427132	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> F1
585	clique	2548876715	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> B6-2
585	clique	637000222	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> KT2440
586	clique-group	637000118	<i>Geobacillus kaustophilus</i>	<i>Geobacillus kaustophilus</i> HTA426
586	clique-group	649633048	<i>Geobacillus</i> sp.	<i>Geobacillus</i> sp. Y412MC52
586	clique-group	646564535	<i>Geobacillus</i> sp.	<i>Geobacillus</i> sp. C56-T3
586	clique-group	646311930	<i>Geobacillus</i> sp.	<i>Geobacillus</i> sp. Y412MC61
586	clique-group	2511231121	<i>Geobacillus thermocatenulatus</i>	<i>Geobacillus thermocatenulatus</i> CCB_US3_UF5
586	clique-group	2519103198	<i>Geobacillus</i> sp.	<i>Geobacillus</i> sp. GHH01
587	clique	644736367	<i>Eubacterium rectale</i>	<i>Eubacterium rectale</i> ATCC 33656
587	clique	650377936	<i>Eubacterium rectale</i>	<i>Eubacterium rectale</i> DSM 17629
587	clique	650377937	<i>Eubacterium rectale</i>	<i>Eubacterium rectale</i> M104/1
588	clique	639857004	<i>Mariprofundus ferrooxydans</i>	<i>Mariprofundus ferrooxydans</i> PV-1
588	clique	2513237158	<i>Mariprofundus ferrooxydans</i>	<i>Mariprofundus ferrooxydans</i> M34
589	clique	641736176	<i>Borrelia afzelii</i>	<i>Borrelia afzelii</i> ACA-1

589	clique	2521172721	Borrelia afzelii	Borrelia afzelii HLI01
589	clique	646564513	Borrelia afzelii	Borrelia afzelii PKo
589	clique	2511231150	Borrelia afzelii	Borrelia afzelii PKo
590	clique	2529293103	Serratia marcescens	Serratia marcescens VGH107
590	clique	2554235222	Serratia sp.	Serratia marcescens LCT-SM262
590	clique	2540341169	Serratia sp.	Serratia sp. WW4
590	clique	2548876920	Serratia marcescens	Serratia marcescens LCT-SM213
590	clique	2554235221	Serratia sp.	Serratia marcescens LCT-SM166
591	clique	2531839602	Escherichia blattae	Escherichia blattae NBRC 105725
591	clique	2513020017	Shimwellia blattae	Shimwellia blattae DSM 4481
592	clique-group	2264867195	unclassified	Aminicenantes bacterium SCGC AAA252-009 (SAK_001_83)
592	clique-group	2527291519	unclassified	Aminicenantes bacterium SCGC AAA252-A02 (Combined_Assembly_OP8_1_OP8)
592	clique-group	2264867176	unclassified	Aminicenantes bacterium SCGC AAA252-D06 (SAK_001_38)
592	clique-group	2527291520	unclassified	Aminicenantes bacterium SCGC AAA252-F08 (Combined_Assembly_OP8_2_OP8)
592	clique-group	2264867188	unclassified	Aminicenantes bacterium SCGC AAA252-K07 (SAK_001_61)
592	clique-group	2264867184	unclassified	Aminicenantes bacterium SCGC AAA252-J09 (SAK_001_57)
593	clique	2541046983	Delftia acidovorans	Delftia acidovorans CCUG 15835
593	clique	2551306390	Chryseobacterium taeanense	Chryseobacterium taeanense ARB2
593	clique	2541046984	Delftia acidovorans	Delftia acidovorans CCUG 2748
594	clique	2551306386	Lactococcus garvieae	Lactococcus garvieae Tac2
594	clique	2547132128	Lactococcus garvieae	Lactococcus garvieae LG9
594	clique	2534681630	Lactococcus garvieae	Lactococcus garvieae IPLA 31405
594	clique	2511231101	Lactococcus garvieae	Lactococcus garvieae ATCC 49156
594	clique	2545824646	Lactococcus garvieae	Lactococcus garvieae ATCC 49156
594	clique	2547132377	Lactococcus garvieae	Lactococcus garvieae UNIUD074
594	clique	2541047486	Lactococcus garvieae	Lactococcus garvieae ATCC 49156
594	clique	2511231201	Lactococcus garvieae	Lactococcus garvieae Lg2
595	clique	2511231182	Arcobacter butzleri	Arcobacter butzleri ED-1
595	clique	649989908	Arcobacter butzleri	Arcobacter butzleri JV22
595	clique	2541046991	Arcobacter butzleri	Arcobacter butzleri 7h1h
595	clique	640753004	Arcobacter butzleri	Arcobacter butzleri RM4018
595	clique	2502171177	Arcobacter sp.	Arcobacter sp. 1
596	clique	2517572190	Streptomyces sp.	Streptomyces sp. CNT302
596	clique	2516143117	Streptomyces sp.	Streptomyces sp. CNR698
596	clique	2518285536	Streptomyces sp.	Streptomyces sp. CNS615
597	clique	2529292875	Streptococcus dysgalactiae	Streptococcus dysgalactiae equisimilis SK1249
597	clique	650377975	Streptococcus dysgalactiae	Streptococcus dysgalactiae equisimilis D1668, ATCC 12394
597	clique	644736406	Streptococcus dysgalactiae	Streptococcus dysgalactiae equisimilis GGS_124
597	clique	2521172714	Streptococcus dysgalactiae	Streptococcus dysgalactiae equisimilis AC-2713
597	clique	2529292876	Streptococcus dysgalactiae	Streptococcus dysgalactiae equisimilis SK1250
597	clique	2540341136	Streptococcus dysgalactiae	Streptococcus dysgalactiae equisimilis RE378
598	clique	2554235393	Enterococcus faecium	Enterococcus faecium Aus0085
598	clique	2531839072	Enterococcus faecium	Enterococcus faecium P1139
598	clique	2529292756	Enterococcus faecium	Enterococcus faecium E4452
598	clique	647000245	Enterococcus faecium	Enterococcus faecium E1636
598	clique	2531839115	Enterococcus faecium	Enterococcus faecium 511
598	clique	2519103062	Enterococcus faecium	Enterococcus faecium 514
598	clique	2537562025	Enterococcus durans	Enterococcus durans FB129-CNAB-4
598	clique	2534682309	Enterococcus faecium	Enterococcus faecium V689
598	clique	647533152	Enterococcus faecium	Enterococcus faecium C68
598	clique	2510065013	Enterococcus faecium	Enterococcus faecium GS5791 (mira assembly v1)
598	clique	2534682301	Enterococcus faecium	Enterococcus faecium R501
598	clique	2531839071	Enterococcus faecium	Enterococcus faecium P1140
598	clique	2551306684	Enterococcus faecium	Enterococcus faecium E155
598	clique	2526164709	Enterococcus faecium	Enterococcus faecium NRRL B-2354
598	clique	647000243	Enterococcus faecium	Enterococcus faecium E1071
598	clique	2519103067	Enterococcus faecium	Enterococcus faecium E417
598	clique	2534681980	Enterococcus faecium	Enterococcus faecium E4453
598	clique	2541047546	Enterococcus faecium	Enterococcus faecium LA4B-2
598	clique	2529293274	Enterococcus faecium	Enterococcus faecium ERV165
598	clique	2531839106	Enterococcus faecium	Enterococcus faecium 504
598	clique	2541047994	Enterococcus faecium	Enterococcus faecium Efm_NY2-1
598	clique	647533150	Enterococcus faecium	Enterococcus faecium 1,231,501
598	clique	649989939	Enterococcus faecium	Enterococcus faecium TX0133B
598	clique	2521172579	Enterococcus sp.	Enterococcus sp. GMD5E
598	clique	2534682303	Enterococcus faecium	Enterococcus faecium R497
598	clique	2551306682	Enterococcus faecium	Enterococcus faecium LCT-EF301
598	clique	647533148	Enterococcus faecium	Enterococcus faecium 1,231,408
598	clique	2531839076	Enterococcus faecium	Enterococcus faecium ERV26
598	clique	2519103070	Enterococcus faecium	Enterococcus faecium ERV102
598	clique	2529293280	Enterococcus faecium	Enterococcus faecium P1123
598	clique	2531839110	Enterococcus faecium	Enterococcus faecium 510
598	clique	2534682305	Enterococcus faecium	Enterococcus faecium R494
598	clique	2545824661	Enterococcus faecium	Enterococcus faecium ATCC 8459
598	clique	2541047996	Enterococcus faecium	Enterococcus faecium Efm_NY2-3
598	clique	647533155	Enterococcus faecium	Enterococcus faecium TC 6
598	clique	647000248	Enterococcus faecium	Enterococcus faecium U0317
598	clique	2529293279	Enterococcus faecium	Enterococcus faecium P1137
598	clique	649989937	Enterococcus faecium	Enterococcus faecium TX0082
598	clique	2519103065	Enterococcus faecium	Enterococcus faecium C497
598	clique	647000241	Enterococcus faecium	Enterococcus faecium D344SRF
598	clique	2554235111	Enterococcus faecium	Enterococcus faecium UC7267

598	clique	2541047423	Enterococcus faecium	Enterococcus faecium Pat2-1
598	clique	2519103071	Enterococcus faecium	Enterococcus faecium ERV161
598	clique	649989941	Enterococcus faecium	Enterococcus faecium TX0133a01
598	clique	2531839112	Enterococcus faecium	Enterococcus faecium 506
598	clique	2519103063	Enterococcus faecium	Enterococcus faecium 515
598	clique	2541047424	Enterococcus faecium	Enterococcus faecium Pat2-3
598	clique	647000246	Enterococcus faecium	Enterococcus faecium E1679
598	clique	2529293277	Enterococcus faecium	Enterococcus faecium ERV99
598	clique	2531839618	Enterococcus faecium	Enterococcus faecium P1986
598	clique	645951856	Enterococcus faecium	Enterococcus faecium DO
598	clique	2537561748	Enterococcus sp.	Enterococcus sp. GMD3E
598	clique	2510065014	Enterococcus faecium	Enterococcus faecium GS5811 (mira assembly v1)
598	clique	2534682300	Enterococcus faecium	Enterococcus faecium R499
598	clique	647533149	Enterococcus faecium	Enterococcus faecium 1,231,410
598	clique	638341080	Enterococcus faecium	Enterococcus faecium DO
598	clique	2519103068	Enterococcus faecium	Enterococcus faecium E422
598	clique	647000242	Enterococcus faecium	Enterococcus faecium E1039
598	clique	649989940	Enterococcus faecium	Enterococcus faecium TX0133C
598	clique	2510065006	Enterococcus faecium	Enterococcus faecium VRE16 (454 data)
598	clique	2541047551	Enterococcus faecium	Enterococcus faecium SD3B-2
598	clique	2537561746	Enterococcus sp.	Enterococcus sp. GMD1E
598	clique	2531839114	Enterococcus faecium	Enterococcus faecium 513
598	clique	2534682308	Enterococcus faecium	Enterococcus faecium S447
598	clique	2510065012	Enterococcus faecium	Enterococcus faecium GS5938 (mira assembly v1)
598	clique	647533147	Enterococcus faecium	Enterococcus faecium 1,230,933
598	clique	2537561749	Enterococcus sp.	Enterococcus sp. GMD4E
598	clique	2534682302	Enterococcus faecium	Enterococcus faecium R496
598	clique	2541047547	Enterococcus faecium	Enterococcus faecium OC2A-1
598	clique	2516493003	Enterococcus faecium	Enterococcus faecium Aus0004
598	clique	2541047549	Enterococcus faecium	Enterococcus faecium SD1C-2
598	clique	649989938	Enterococcus faecium	Enterococcus faecium TX0133A
598	clique	647533151	Enterococcus faecium	Enterococcus faecium 1,231,502
598	clique	2554235110	Enterococcus faecium	Enterococcus faecium UC7251
598	clique	2519103066	Enterococcus faecium	Enterococcus faecium C621
598	clique	2541047422	Enterococcus faecium	Enterococcus faecium Pat2-2
598	clique	2534682304	Enterococcus faecium	Enterococcus faecium R446
598	clique	2548877025	Enterococcus faecium	Enterococcus faecium LCT-EF128
598	clique	2509601043	Enterococcus faecium	Enterococcus faecium Hucker1, NRRL B-2354 (Consensus Scaffolds)
598	clique	2529293273	Enterococcus faecium	Enterococcus faecium ERV168
598	clique	2541047995	Enterococcus faecium	Enterococcus faecium Efm_NY2-2
598	clique	2531839107	Enterococcus faecium	Enterococcus faecium 503
598	clique	2519103069	Enterococcus faecium	Enterococcus faecium ERV1
598	clique	2537561747	Enterococcus sp.	Enterococcus sp. GMD2E
598	clique	2551306683	Enterococcus faecium	Enterococcus faecium LCT-EF297
598	clique	2531839075	Enterococcus faecium	Enterococcus faecium ERV38
598	clique	649989942	Enterococcus faecium	Enterococcus faecium TX0133a04
598	clique	2548877027	Enterococcus faecium	Enterococcus faecium C309
598	clique	647000244	Enterococcus faecium	Enterococcus faecium E1162
598	clique	2531839111	Enterococcus faecium	Enterococcus faecium 509
598	clique	2534682306	Enterococcus faecium	Enterococcus faecium P1190
598	clique	2519103064	Enterococcus faecium	Enterococcus faecium C1904
598	clique	2529293278	Enterococcus faecium	Enterococcus faecium ERV69
599	clique	648028038	Legionella longbeachae	Legionella longbeachae NSW150
599	clique	647000267	Legionella longbeachae	Legionella longbeachae D-4968
600	clique	645951859	Fusobacterium ulcerans	Fusobacterium ulcerans ATCC 49185
600	clique	2513237383	Fusobacterium sp.	Fusobacterium sp. 12_1B
601	clique	2524614695	Butyrivibrio sp.	Butyrivibrio sp. XPD2002
601	clique	2524614881	Butyrivibrio sp.	Butyrivibrio sp. FC2001
602	clique	2531839408	Burkholderia cenocepacia	Burkholderia cenocepacia H111
602	clique	2537561805	Burkholderia cenocepacia	Burkholderia cenocepacia K56-2Valvano
602	clique	643348523	Burkholderia cenocepacia	Burkholderia cenocepacia J2315
602	clique	2537561806	Burkholderia cenocepacia	Burkholderia cenocepacia BC7
603	clique	2554235369	Chlamydia pecorum	Chlamydia pecorum PV3056/3
603	clique	2554235368	Chlamydia pecorum	Chlamydia pecorum P787
603	clique	2554235370	Chlamydia pecorum	Chlamydia pecorum W73
603	clique	650716022	Chlamydia pecorum	Chlamydia pecorum E58
604	clique	2513237276	Pseudomonas psychrotolerans	Pseudomonas psychrotolerans L19
604	clique	2510065058	Pseudomonas oleovorans	Pseudomonas oleovorans MOIL14HWK12
604	clique	2510065053	Pseudomonas sp.	Pseudomonas sp. MOIL14HWK12:11
604	clique	2510065055	Pseudomonas sp.	Pseudomonas sp. MOIL14HWK12:12
605	clique-group	2534682061	Pseudomonas syringae	Pseudomonas syringae pv. avellanae ISPaVe013
605	clique-group	2505313061	Pseudomonas syringae	Pseudomonas syringae PaviSPaVe013 (Psy117)
605	clique-group	2524614661	Pseudomonas syringae	Pseudomonas syringae pv. syringae SM
605	clique-group	2541047481	Pseudomonas syringae	Pseudomonas syringae BRIP34881
605	clique-group	2506783017	Pseudomonas syringae	Pseudomonas syringae CC457 (CC457)
605	clique-group	2506783015	Pseudomonas syringae	Pseudomonas syringae CC440 (CC440)
605	clique-group	2505313062	Pseudomonas syringae	Pseudomonas syringae PaviSPaVe037 (Psy119)
605	clique-group	2541047479	Pseudomonas syringae	Pseudomonas syringae BRIP34876
605	clique-group	2506783029	Pseudomonas syringae	Pseudomonas syringae CC1543 (CC1543)
605	clique-group	2506783018	Pseudomonas syringae	Pseudomonas syringae CC1458 (CC1458)
605	clique-group	2534682062	Pseudomonas syringae	Pseudomonas syringae pv. avellanae ISPaVe037
605	clique-group	2523533564	Pseudomonas syringae	Pseudomonas syringae pv. syringae B64

605	clique-group	2554235290	<i>Pseudomonas syringae</i>	<i>Pseudomonas syringae</i> pv.pisi H5E3
606	clique	649990003	<i>Streptococcus australis</i>	<i>Streptococcus australis</i> ATCC 700641
606	clique	2529292878	<i>Streptococcus australis</i>	<i>Streptococcus australis</i> SK956
607	clique	2554235487	<i>Halorubrum distributum</i>	<i>Halorubrum distributum</i> JCM 9100
607	clique	2554235509	<i>Halorubrum terrestre</i>	<i>Halorubrum terrestre</i> JCM 10247
607	clique	2554235480	<i>Halorubrum arcis</i>	<i>Halorubrum arcis</i> JCM 13916
607	clique	2554235486	<i>Halorubrum distributum</i>	<i>Halorubrum distributum</i> JCM 10118
607	clique	2554235508	<i>Halorubrum litoreum</i>	<i>Halorubrum litoreum</i> JCM 13561
608	clique	2554235406	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> D174
608	clique	2554235407	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> D171
608	clique	647000269	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> A2 BOVINE
608	clique	2523533563	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i>
608	clique	2545824632	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> USDA-ARS-USMARC-183
608	clique	2554235380	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> D153
608	clique	2537561899	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> 6 H23
608	clique	2554235440	<i>Mannheimia</i> sp.	<i>Mannheimia haemolytica</i> USMARC 2286
608	clique	647000270	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> A2 OVINE
608	clique	647533181	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> PHL213
608	clique	2545824631	<i>Mannheimia haemolytica</i>	<i>Mannheimia haemolytica</i> USDA-ARS-USMARC-185
609	clique	2547132414	<i>Streptococcus iniae</i>	<i>Streptococcus iniae</i> USA1
609	clique	2554235410	<i>Streptococcus iniae</i>	<i>Streptococcus iniae</i> SF1
609	clique	2551306533	<i>Streptococcus iniae</i>	<i>Streptococcus iniae</i> KCTC 11634BP
609	clique	2529293127	<i>Streptococcus iniae</i>	<i>Streptococcus iniae</i> 9117
610	clique	2522572190	<i>Simiduia agarivorans</i>	<i>Simiduia agarivorans</i> DSM 21679
610	clique	2519103097	<i>Simiduia agarivorans</i>	<i>Simiduia agarivorans</i> SA1
611	clique	2519899526	<i>Clostridium saccharoperbutylaceticum</i>	<i>Clostridium saccharoperbutylaceticum</i> DSM 14923
611	clique	2551306649	<i>Clostridium saccharoperbutylaceticum</i>	<i>Clostridium saccharoperbutylaceticum</i> N1-4(HMT)
612	clique	642555166	<i>Treponema pallidum</i>	<i>Treponema pallidum pallidum</i> SS14
612	clique	2511231217	<i>Treponema pallidum</i>	<i>Treponema pallidum pertenuae</i> CDC2
612	clique	637000328	<i>Treponema pallidum</i>	<i>Treponema pallidum pallidum</i> Nichols
612	clique	2540341065	<i>Treponema pallidum</i>	<i>Treponema pallidum pallidum</i> Mexico A
612	clique	2511231215	<i>Treponema pallidum</i>	<i>Treponema pallidum pertenuae</i> Gauthier
612	clique	2511231132	<i>Treponema pallidum</i>	<i>Treponema pallidum pertenuae</i> SamoaD
612	clique	2540341153	<i>Treponema pallidum</i>	<i>Treponema pallidum pallidum</i> DAL-1
612	clique	646862348	<i>Treponema pallidum</i>	<i>Treponema pallidum pallidum</i> Chicago
612	clique	2500901752	<i>Treponema pallidum</i>	<i>Treponema pallidum</i> HMP
612	clique	650716101	<i>Treponema paraluisuniculi</i>	<i>Treponema paraluisuniculi</i> Cuniculi A
612	clique	2540341057	<i>Treponema pallidum</i>	<i>Treponema pallidum</i> Fribourg-Blanc
612	clique	2554235312	<i>Treponema pallidum</i>	<i>Treponema pallidum pallidum</i> Nichols
613	clique	2548877040	<i>Paenibacillus sonchi</i>	<i>Paenibacillus sonchi</i> X19-5
613	clique	2548876532	<i>Paenibacillus riograndensis</i>	<i>Paenibacillus riograndensis</i> SBR5
614	clique	649989914	<i>Bacteroides</i> sp.	<i>Bacteroides</i> sp. 4_1_36
614	clique	641380447	<i>Bacteroides uniformis</i>	<i>Bacteroides uniformis</i> ATCC 8492
614	clique	647533114	<i>Bacteroides</i> sp.	<i>Bacteroides</i> sp. D20
614	clique	2537561752	<i>Bacteroides uniformis</i>	<i>Bacteroides uniformis</i> CL03T00C23
614	clique	2534681854	<i>Bacteroides uniformis</i>	<i>Bacteroides uniformis</i> CL03T12C37
615	clique	639633028	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> ATCC 334
615	clique	643886051	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei</i> ATCC 25302
615	clique	2534682335	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> Lpc-37
615	clique	2545824701	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei paracasei</i> Lpp43
615	clique	2519899845	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> M36
615	clique	2534681635	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> CRF28
615	clique	2554235438	<i>Lactobacillus</i> sp.	<i>Lactobacillus casei</i> LOCK919
615	clique	2510461023	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> 12A
615	clique	2510065089	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> CRF28
615	clique	651053039	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> LC2W
615	clique	2505119026	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei-tolerans</i> VBLLa 09-21
615	clique	642555134	<i>Lactobacillus casei</i>	<i>Lactobacillus casei casei</i> BL23
615	clique	2534681633	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> 12A
615	clique	2510065090	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> A2-362
615	clique	2534681637	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> UW4
615	clique	2545824699	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei paracasei</i> Lpp123
615	clique	2545824704	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei paracasei</i> Lpp7
615	clique	2515154117	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> UW4
615	clique	2545824702	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei paracasei</i> Lpp230
615	clique	649633061	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> Zhang
615	clique	2534682336	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> T71499
615	clique	651053038	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> BD-II
615	clique	2534681634	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> A2-362
615	clique	2519899829	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> UCD174
615	clique	2545824698	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei paracasei</i> Lpp122
615	clique	2540341119	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> W56
615	clique	2519899793	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> Lc-10
615	clique	2531839133	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> 32G
615	clique	2545824705	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei tolerans</i> Lp17
615	clique	2510065091	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> UW1
615	clique	643886139	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei</i> 8700:2
615	clique	2545824703	<i>Lactobacillus paracasei</i>	<i>Lactobacillus paracasei paracasei</i> Lpp229
615	clique	2534681636	<i>Lactobacillus casei</i>	<i>Lactobacillus casei</i> UW1
616	clique	2501846304	<i>Xanthomonas</i> sp.	<i>Xanthomonas</i> sp. 7
616	clique	651324109	<i>Xanthomonas perforans</i>	<i>Xanthomonas gardneri</i> PDDCC 1620, ATCC 19865
617	clique	2545824722	<i>Gordonia terrae</i>	<i>Gordonia terrae</i> C-6

617	clique	2523231035	Gordonia sp.	Gordonia sp. KTR9
618	clique	2554235404	Anaplasma phagocytophilum	Anaplasma phagocytophilum JM
618	clique	2554235354	Anaplasma phagocytophilum	Anaplasma phagocytophilum HZ2
618	clique	637000009	Anaplasma phagocytophilum	Anaplasma phagocytophilum HZ
618	clique	2554235353	Anaplasma phagocytophilum	Anaplasma phagocytophilum Dog2
619	clique	2508501060	Pseudomonas syringae	Pseudomonas syringae pv. morsprunorum M302280PT (Morsprunorum)
619	clique	2548876747	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae ICMP 18800
619	clique	2548876749	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae PA459
619	clique	2548876756	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae CH2010-6
619	clique	2506783016	Pseudomonas syringae	Pseudomonas syringae USA007 (USA007)
619	clique	2548876743	Pseudomonas syringae	Pseudomonas syringae pv. theae NCPPB 2598
619	clique	2548876754	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae Shaanxi_M228
619	clique	2548876741	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae CFBP 7286
619	clique	2506783032	Pseudomonas syringae	Pseudomonas syringae CC1559 (CC1559)
619	clique	2548876752	Pseudomonas syringae	Pseudomonas syringae ICMP 18806
619	clique	2524614589	Pseudomonas syringae	Pseudomonas syringae CC1416
619	clique	2548876745	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae ICMP 18708
619	clique	2548876750	Pseudomonas syringae	Pseudomonas syringae ICMP 18804
619	clique	2548876748	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae KW41
619	clique	2554235296	Pseudomonas syringae	Pseudomonas syringae pv. theae NCPPB 2598
619	clique	2531839710	Pseudomonas avellanae	Pseudomonas avellanae BPIC 631
619	clique	2506783022	Pseudomonas syringae	Pseudomonas syringae CC1544 (CC1544)
619	clique	2505313060	Pseudomonas syringae	Pseudomonas syringae PavBPIC631 (Psy108)
619	clique	2554235217	Pseudomonas avellanae	Pseudomonas avellanae BPIC631
619	clique	2548876755	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae Shaanxi_M7
619	clique	2508501055	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae M302091 (Actinidiae)
619	clique	2548876744	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae ICMP 9853
619	clique	2548876753	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae TP1
619	clique	2548876751	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae TP6-1
619	clique	2554235228	Pseudomonas sp.	Pseudomonas avellanae CRAFRUec1
619	clique	2548876746	Pseudomonas syringae	Pseudomonas syringae pv. actinidiae ICMP 18744
620	clique	646862321	Erwinia pyrifoliae	Erwinia pyrifoliae DSM 12163
620	clique	646564532	Erwinia pyrifoliae	Erwinia pyrifoliae Ep1/96
620	clique	650377931	Erwinia sp.	Erwinia sp. Ejp617
621	clique	2545824522	Listeria innocua	Listeria innocua FSL S4-378
621	clique	2545824521	Listeria innocua	Listeria innocua FSL J1-023
621	clique	637000152	Listeria innocua	Listeria innocua Clip11262
621	clique	2537561540	Listeria innocua	Listeria innocua ATCC 33091
622	clique	648028008	Bacillus subtilis	Bacillus subtilis spizizenii W23
622	clique	2511231064	Bacillus subtilis	Bacillus subtilis spizizenii TU-B-10, DSM 15029
622	clique	647000211	Bacillus subtilis	Bacillus subtilis spizizenii ATCC 6633
623	clique	2526164624	Mycobacterium abscessus	Mycobacterium abscessus 3A-0731
623	clique	2526164589	Mycobacterium abscessus	Mycobacterium abscessus 5S-0422
623	clique	2526164686	Mycobacterium abscessus	Mycobacterium abscessus 6G-0125-S
623	clique	2526164580	Mycobacterium massiliense	Mycobacterium massiliense 1S-152-0914
623	clique	2548876927	Mycobacterium abscessus	Mycobacterium abscessus 159
623	clique	2526164622	Mycobacterium abscessus	Mycobacterium abscessus 3A-0119-R
623	clique	2526164683	Mycobacterium abscessus	Mycobacterium abscessus 5S-1212
623	clique	2526164587	Mycobacterium abscessus	Mycobacterium abscessus 4S-0206
623	clique	2526164682	Mycobacterium abscessus	Mycobacterium abscessus 5S-0921
623	clique	2526164657	Mycobacterium massiliense	Mycobacterium massiliense 2B-0626
623	clique	2526164593	Mycobacterium abscessus	Mycobacterium abscessus 5S-0708
623	clique	2526164655	Mycobacterium massiliense	Mycobacterium massiliense 2B-0912-R
623	clique	641522641	Mycobacterium abscessus	Mycobacterium abscessus CIP 104536
623	clique	2526164627	Mycobacterium abscessus	Mycobacterium abscessus 4S-0116-R
623	clique	2548877034	Mycobacterium abscessus	Mycobacterium abscessus M156
623	clique	2529293190	Mycobacterium abscessus	Mycobacterium abscessus bolletii BD
623	clique	2526164687	Mycobacterium abscessus	Mycobacterium abscessus 6G-0212
623	clique	2526164660	Mycobacterium massiliense	Mycobacterium massiliense 1S-153-0915
623	clique	2551306144	Mycobacterium massiliense	Mycobacterium massiliense M18
623	clique	2537561552	Mycobacterium abscessus	Mycobacterium abscessus 5S-0817
623	clique	2516143102	Mycobacterium abscessus	Mycobacterium abscessus M93
623	clique	2516143052	Mycobacterium abscessus	Mycobacterium abscessus M94
623	clique	2526164659	Mycobacterium massiliense	Mycobacterium massiliense 1S-151-0930
623	clique	2519899837	Mycobacterium abscessus	Mycobacterium abscessus 47J26
623	clique	2526164625	Mycobacterium abscessus	Mycobacterium abscessus 3A-0930-R
623	clique	2526164579	Mycobacterium massiliense	Mycobacterium massiliense 1S-154-0310
623	clique	2526164591	Mycobacterium abscessus	Mycobacterium abscessus 5S-0304
623	clique	2526164623	Mycobacterium abscessus	Mycobacterium abscessus 3A-0122-S
623	clique	2531839070	Mycobacterium massiliense	Mycobacterium massiliense CCUG 48898
623	clique	2526164679	Mycobacterium abscessus	Mycobacterium abscessus 6G-1108
623	clique	2526164590	Mycobacterium abscessus	Mycobacterium abscessus 5S-0421
623	clique	2551306463	Mycobacterium abscessus	Mycobacterium abscessus 9808
623	clique	2545824638	Mycobacterium abscessus	Mycobacterium abscessus bolletii 50594
623	clique	2531839069	Mycobacterium massiliense	Mycobacterium massiliense 2B-1231
623	clique	2526164685	Mycobacterium abscessus	Mycobacterium abscessus 6G-0728-S
623	clique	2548876926	Mycobacterium abscessus	Mycobacterium abscessus M172
623	clique	2526164585	Mycobacterium abscessus	Mycobacterium abscessus 4S-0726-RA
623	clique	2526164684	Mycobacterium abscessus	Mycobacterium abscessus 6G-0728-R
623	clique	2548877038	Mycobacterium abscessus	Mycobacterium abscessus M152
623	clique	2526164654	Mycobacterium massiliense	Mycobacterium massiliense 2B-0912-S
623	clique	2548877036	Mycobacterium abscessus	Mycobacterium abscessus M24

623	clique	2548876928	Mycobacterium abscessus	Mycobacterium abscessus 115
623	clique	2551306647	Mycobacterium abscessus	Mycobacterium abscessus
623	clique	2548877037	Mycobacterium abscessus	Mycobacterium abscessus M148
623	clique	2526164658	Mycobacterium massiliense	Mycobacterium massiliense 2B-0307
623	clique	2526164588	Mycobacterium abscessus	Mycobacterium abscessus 4S-0116-S
623	clique	2531839202	Mycobacterium abscessus	Mycobacterium abscessus 3A-0122-R
623	clique	2526164592	Mycobacterium abscessus	Mycobacterium abscessus 4S-0726-RB
623	clique	2526164656	Mycobacterium massiliense	Mycobacterium massiliense 2B-0107
623	clique	2526164681	Mycobacterium abscessus	Mycobacterium abscessus 6G-0125-R
623	clique	2548877035	Mycobacterium abscessus	Mycobacterium abscessus M154
623	clique	2526164626	Mycobacterium abscessus	Mycobacterium abscessus 3A-0930-S
623	clique	2526164680	Mycobacterium abscessus	Mycobacterium abscessus 5S-1215
623	clique	2548877041	Mycobacterium abscessus	Mycobacterium abscessus M139
623	clique	2531839203	Mycobacterium abscessus	Mycobacterium abscessus 3A-0810-R
623	clique	2526164611	Mycobacterium massiliense	Mycobacterium massiliense CCUG 48898
623	clique	2526164586	Mycobacterium abscessus	Mycobacterium abscessus 4S-0303
624	clique	2537561773	Atopobium sp.	Atopobium sp. ICM58
624	clique	2541048003	Actinomyces sp.	Actinomyces sp. oral taxon 172 F0311
625	clique	2521172624	Agrobacterium sp.	Agrobacterium sp. 224MFTsu3.1
625	clique	2521172559	Agrobacterium sp.	Agrobacterium sp. 719_389
625	clique	2529292583	Agrobacterium sp.	Agrobacterium sp. UNC420CL41Cvi
626	clique	2515154086	Enterococcus columbae	Enterococcus columbae DSM 7374
626	clique	2541047448	Enterococcus columbae	Enterococcus columbae DSM 7374
626	clique	2541047998	Enterococcus columbae	Enterococcus columbae DSM 7374
627	clique	2551306604	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV2816
627	clique	2551306626	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae Kantorowic
627	clique	2551306586	Leptospira interrogans	Leptospira interrogans sv. Copenhageni P2431
627	clique	2551306607	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4174
627	clique	2537561880	Leptospira interrogans	Leptospira interrogans sv. Grippotyphosa 2006006986
627	clique	2547132347	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2933
627	clique	637000151	Leptospira interrogans	Leptospira interrogans sv Lai 56601
627	clique	2547132361	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3738
627	clique	2545824534	Leptospira interrogans	Leptospira interrogans sv Grippotyphosa LT2186
627	clique	2548876733	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes SriLanka1
627	clique	2531839052	Leptospira interrogans	Leptospira interrogans sv. Grippotyphosa UI 12769
627	clique	2551306624	Leptospira interrogans	Leptospira interrogans sv. Szwajizak Szwajizak
627	clique	2547132336	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2799
627	clique	2547132334	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2790
627	clique	2547132328	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2763
627	clique	2551306611	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV3213
627	clique	2537561882	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae Verdun LP
627	clique	2547132350	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2958
627	clique	2548876724	Leptospira interrogans	Leptospira interrogans sv. Manilae M1352_LPS_mutant
627	clique	2547132323	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2755
627	clique	2537561529	Leptospira interrogans	Leptospira interrogans MMD3731
627	clique	2547132359	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3726
627	clique	2551306591	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4118
627	clique	2548876719	Leptospira interrogans	Leptospira interrogans sv. Manilae M933_lip32_mutant
627	clique	2526164702	Leptospira interrogans	Leptospira interrogans sv. Medanensis L0448
627	clique	2526164671	Leptospira interrogans	Leptospira interrogans UI 09600
627	clique	2547132345	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2897
627	clique	2537562157	Leptospira interrogans	Leptospira interrogans sv. Pomona Fox 32256
627	clique	2537561735	Leptospira interrogans	Leptospira interrogans sv Bulgarica Mallika
627	clique	2551306588	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes Sri Lanka 30
627	clique	2519103146	Leptospira interrogans	Leptospira interrogans sv. Hebdomadis R499
627	clique	2551306615	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV3076
627	clique	2547132363	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3879
627	clique	2519103163	Leptospira interrogans	Leptospira interrogans sv. Pomona Kennewicki LC82-25
627	clique	2547132365	Leptospira interrogans	Leptospira interrogans sv Copenhageni HAI0156
627	clique	2547132332	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2776
627	clique	2547132349	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2953
627	clique	2547132321	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV251
627	clique	2548876726	Leptospira interrogans	Leptospira interrogans sv. Lai Langkawi
627	clique	2547132389	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2756C6
627	clique	2547132357	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3323
627	clique	2547132355	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3096
627	clique	2551306573	Leptospira interrogans	Leptospira interrogans sv. Pomona 2006006968
627	clique	2534682197	Leptospira interrogans	Leptospira interrogans sv. Copenhageni M20
627	clique	2547132338	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2805
627	clique	2551306594	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes Sri Lanka 46
627	clique	2551306609	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4212
627	clique	2519103162	Leptospira interrogans	Leptospira interrogans 2002000623
627	clique	2548876730	Leptospira interrogans	Leptospira interrogans sv. Bataviae Swart
627	clique	2551306597	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae 201100516
627	clique	2547132314	Leptospira interrogans	Leptospira interrogans sv Grippotyphosa 2006006971
627	clique	2551306618	Leptospira interrogans	Leptospira interrogans sv. Manilae UP-OM
627	clique	2548876737	Leptospira interrogans	Leptospira interrogans sv. Bataviae UT234
627	clique	2547132364	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz R83
627	clique	2548876717	Leptospira interrogans	Leptospira interrogans sv. Manilae M874_LA0615_mutant
627	clique	2547132388	Leptospira interrogans	Leptospira interrogans sv Copenhageni 2001025091
627	clique	2519103145	Leptospira interrogans	Leptospira interrogans sv. Grippotyphosa UI 08368
627	clique	2547132342	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2825

627	clique	2551306622	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV3409
627	clique	2547132325	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV999
627	clique	2547132344	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2840
627	clique	2551306578	Leptospira interrogans	Leptospira interrogans sv. Copenhageni 2006006972
627	clique	2548876729	Leptospira interrogans	Leptospira interrogans sv. Bataviae Kariadi-Satu
627	clique	2548876735	Leptospira interrogans	Leptospira interrogans sv. Copenhageni P2518
627	clique	2547132327	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2759
627	clique	2537561649	Leptospira interrogans	Leptospira interrogans L1207
627	clique	2547132353	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3086
627	clique	2545824532	Leptospira interrogans	Leptospira interrogans sv Djasiman LT1649
627	clique	2529293074	Leptospira interrogans	Leptospira interrogans 2002000621
627	clique	2551306620	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4211
627	clique	2548876722	Leptospira interrogans	Leptospira interrogans sv. Bataviae 2006006976
627	clique	2541047003	Leptospira interrogans	Leptospira interrogans UT126
627	clique	2551306600	Leptospira interrogans	Leptospira interrogans Fiocruz LV4117
627	clique	2551306592	Leptospira interrogans	Leptospira interrogans sv. Copenhageni 2007005490
627	clique	2519103164	Leptospira interrogans	Leptospira interrogans FPW2026
627	clique	2551306616	Leptospira interrogans	Leptospira interrogans sv. Copenhageni 200701182
627	clique	2547132335	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2791
627	clique	2548876739	Leptospira interrogans	Leptospira interrogans sv. Copenhageni R103
627	clique	2531839055	Leptospira interrogans	Leptospira interrogans UI 13372
627	clique	2548876732	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae P2554
627	clique	2551306599	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4113
627	clique	2547132366	Leptospira interrogans	Leptospira interrogans sv Copenhageni MMD1562
627	clique	2541047031	Leptospira interrogans	Leptospira interrogans 2003000735
627	clique	2519103143	Leptospira interrogans	Leptospira interrogans sv. Bataviae L1111
627	clique	2547132340	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2811
627	clique	2519899824	Leptospira interrogans	Leptospira interrogans UI 12758
627	clique	2547132316	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV199
627	clique	2537561885	Leptospira interrogans	Leptospira interrogans Brem 329
627	clique	2537561647	Leptospira interrogans	Leptospira interrogans sv. Bataviae UI 08561
627	clique	2547132351	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2959
627	clique	2541047024	Leptospira interrogans	Leptospira interrogans Kito
627	clique	2551306576	Leptospira interrogans	Leptospira interrogans sv. Copenhageni 2002009669
627	clique	2526164703	Leptospira interrogans	Leptospira interrogans L0996
627	clique	2529293072	Leptospira interrogans	Leptospira interrogans 2006001854
627	clique	2551306603	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae RGA
627	clique	2541047030	Leptospira interrogans	Leptospira interrogans 2002000632
627	clique	2531839386	Leptospira interrogans	Leptospira interrogans sv. Valbuzzi Valbuzzi
627	clique	2526164704	Leptospira interrogans	Leptospira interrogans sv. Muenchen Brem 129
627	clique	2551306698	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV2841
627	clique	2531839053	Leptospira interrogans	Leptospira interrogans sv. Grippotyphosa UI 12764
627	clique	2526164578	Leptospira interrogans	Leptospira interrogans 2002000624
627	clique	2551306606	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4217
627	clique	2547132333	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2787
627	clique	2545824535	Leptospira interrogans	Leptospira interrogans sv Zanoni LT2156
627	clique	2548876723	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes 2006006956
627	clique	2547132322	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV130
627	clique	2541047029	Leptospira interrogans	Leptospira interrogans 2002000631
627	clique	2537561883	Leptospira interrogans	Leptospira interrogans sv. Grippotyphosa Andaman
627	clique	2531839285	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes L0374
627	clique	2551306605	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4152
627	clique	2547132318	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV212
627	clique	2551306585	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes 2006006973
627	clique	2551306627	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4234
627	clique	637000150	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz L1-130
627	clique	2547132360	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3737
627	clique	2541047037	Leptospira kirschneri	Leptospira kirschneri sv. Valbuzzi Duyster
627	clique	2551306614	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV2807
627	clique	2541047032	Leptospira interrogans	Leptospira interrogans sv. Pomona CSL4002
627	clique	2537562158	Leptospira interrogans	Leptospira interrogans sv. Pomona CSL10083
627	clique	2551306625	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4188
627	clique	2547132337	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2804
627	clique	2547132331	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2772
627	clique	2547132358	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3373
627	clique	2547132320	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV239
627	clique	2551306601	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Wijnberg
627	clique	2548876725	Leptospira interrogans	Leptospira interrogans sv. Bataviae 2006006959
627	clique	2551306595	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes Sri Lanka 39
627	clique	2551306572	Leptospira interrogans	Leptospira interrogans sv. Pomona 2006006962
627	clique	2551306608	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4160
627	clique	2551306579	Leptospira interrogans	Leptospira interrogans sv. Jalna 2008720116
627	clique	2551306590	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes Sri Lanka 14
627	clique	2526164672	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes R168
627	clique	2547132346	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2908
627	clique	2548876727	Leptospira interrogans	Leptospira interrogans sv. Bratislava Brem 137
627	clique	2551306587	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV237
627	clique	2548876720	Leptospira interrogans	Leptospira interrogans sv. Manilae M776_fur_mutant
627	clique	2547132348	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2948
627	clique	2551306612	Leptospira interrogans	Leptospira interrogans Fiocruz LV4225
627	clique	2548876734	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae P2422
627	clique	2529293242	Leptospira interrogans	Leptospira interrogans sv. Canicola Fiocruz LV133

627	clique	2547132362	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3834
627	clique	2534681715	Leptospira interrogans	Leptospira interrogans 2002000626
627	clique	2548876736	Leptospira interrogans	Leptospira interrogans sv. Medanensis L0887
627	clique	2548876728	Leptospira interrogans	Leptospira interrogans sv. Lai Lai LPS mutant
627	clique	2551306577	Leptospira interrogans	Leptospira interrogans sv. Jalna 2008720117
627	clique	2547132356	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3244
627	clique	2547132354	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV3094
627	clique	2547132326	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2752
627	clique	2551306613	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV2750
627	clique	2547132317	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV204
627	clique	2537561648	Leptospira interrogans	Leptospira interrogans sv. Autumnalis LP101
627	clique	2531839051	Leptospira interrogans	Leptospira interrogans sv. Australis 200703203
627	clique	2528768016	Leptospira interrogans	Leptospira interrogans sv. Canicola LT1962
627	clique	2511231167	Leptospira interrogans	Leptospira interrogans sv LAI, IPAV
627	clique	2547132387	Leptospira interrogans	Leptospira interrogans sv Copenhageni 2006007831
627	clique	2537561884	Leptospira interrogans	Leptospira interrogans FPW1039
627	clique	2551306593	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV256
627	clique	2548876721	Leptospira interrogans	Leptospira interrogans sv. Lai Lai
627	clique	2547132339	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2806
627	clique	2531839056	Leptospira interrogans	Leptospira interrogans sv. Pomona UT364
627	clique	2547132315	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV192
627	clique	2519103161	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes 2006006960
627	clique	2551306596	Leptospira interrogans	Leptospira interrogans sv. Canicola P2655
627	clique	2547132367	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz R066
627	clique	2551306619	Leptospira interrogans	Leptospira interrogans sv. Naam Naam
627	clique	2551306580	Leptospira interrogans	Leptospira interrogans sv. Copenhageni 2006006982
627	clique	2545824531	Leptospira interrogans	Leptospira interrogans C10069
627	clique	2547132343	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2832
627	clique	2551306623	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4034
627	clique	2551306589	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4108
627	clique	2529293264	Leptospira interrogans	Leptospira interrogans sv. Lora TE 1992
627	clique	2519103144	Leptospira interrogans	Leptospira interrogans UI 08452
627	clique	2547132352	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2973
627	clique	2547132324	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz 2756 C1
627	clique	2548876740	Leptospira interrogans	Leptospira interrogans sv. Bim P2529
627	clique	2526164673	Leptospira interrogans	Leptospira interrogans sv. Grippotyphosa UI 08434
627	clique	2547132329	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2767
627	clique	2547132390	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz R154
627	clique	2531839267	Leptospira santarosai	Leptospira santarosai HAI1594
627	clique	2547132319	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV224
627	clique	2551306621	Leptospira interrogans	Leptospira interrogans sv. Manilae K56
627	clique	2529293073	Leptospira interrogans	Leptospira interrogans sv Pomona Pomona
627	clique	2551306602	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV2766
627	clique	2551306617	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV4173
627	clique	2519899825	Leptospira interrogans	Leptospira interrogans UI 12621
627	clique	2537561530	Leptospira interrogans	Leptospira interrogans sv. Copenhageni HAI0188
627	clique	2551306610	Leptospira interrogans	Leptospira interrogans sv. Copenhageni Fiocruz LV2919
627	clique	2548876718	Leptospira interrogans	Leptospira interrogans sv. Manilae M001_Tn_Mutant_Parent
627	clique	2551306598	Leptospira interrogans	Leptospira interrogans Fiocruz LV4114
627	clique	2548876738	Leptospira interrogans	Leptospira interrogans sv. Icterohaemorrhagiae P2547
627	clique	2547132341	Leptospira interrogans	Leptospira interrogans sv Copenhageni Fiocruz LV2812
627	clique	2547132369	Leptospira interrogans	Leptospira interrogans sv. Canicola HAI0024
627	clique	2548876731	Leptospira interrogans	Leptospira interrogans sv. Pyrogenes SriLanka2
627	clique	2551306582	Leptospira interrogans	Leptospira interrogans sv. Copenhageni 2002000634
627	clique	2531839054	Leptospira interrogans	Leptospira interrogans sv. Medanensis UT053
628	clique	2541047493	Chlamydia psittaci	Chlamydia psittaci C19/98
628	clique	2541047134	Chlamydia psittaci	Chlamydia psittaci C6/98
628	clique	2541047146	Chlamydia psittaci	Chlamydia psittaci 09DC77
628	clique	2519899532	Chlamydia psittaci	Chlamydia psittaci NJ1
628	clique	2541047491	Chlamydia psittaci	Chlamydia psittaci 02DC15
628	clique	2541047141	Chlamydia psittaci	Chlamydia psittaci 02DC23
628	clique	2541047148	Chlamydia psittaci	Chlamydia psittaci 09DC79
628	clique	2541047143	Chlamydia psittaci	Chlamydia psittaci 03DC35
628	clique	2540341121	Chlamydophila psittaci	Chlamydophila psittaci Mat116
628	clique	2519899534	Chlamydia psittaci	Chlamydia psittaci GR9
628	clique	2541047138	Chlamydia psittaci	Chlamydia psittaci 02DC18
628	clique	2541047145	Chlamydia psittaci	Chlamydia psittaci 04DC42
628	clique	2519899545	Chlamydia psittaci	Chlamydia psittaci WC
628	clique	650716023	Chlamydophila psittaci	Chlamydophila psittaci 6BC
628	clique	651053015	Chlamydophila psittaci	Chlamydophila psittaci 6BC
628	clique	2518645540	Chlamydia psittaci	Chlamydia psittaci MN
628	clique	2518645539	Chlamydia psittaci	Chlamydia psittaci M56
628	clique	2541047147	Chlamydia psittaci	Chlamydia psittaci 09DC78
628	clique	2541047149	Chlamydia psittaci	Chlamydia psittaci 09DC80
628	clique	2541047135	Chlamydia psittaci	Chlamydia psittaci 99DC5
628	clique	2541047484	Chlamydia psittaci	Chlamydia psittaci 08DC60
628	clique	651053012	Chlamydophila psittaci	Chlamydophila psittaci 01DC11
628	clique	2519899542	Chlamydia psittaci	Chlamydia psittaci V5225
628	clique	2541047137	Chlamydia psittaci	Chlamydia psittaci 02DC16
628	clique	651053014	Chlamydophila psittaci	Chlamydophila psittaci 08DC60
628	clique	2541047140	Chlamydia psittaci	Chlamydia psittaci 02DC22
628	clique	651324022	Chlamydophila psittaci	Chlamydophila psittaci Cal10

628	clique	2519899544	Chlamydia psittaci	Chlamydia psittaci WS/RT/E30
628	clique	2540341135	Chlamydia psittaci	Chlamydia psittaci 01DC12
628	clique	651053013	Chlamydophila psittaci	Chlamydophila psittaci 02DC15
628	clique	651053016	Chlamydophila psittaci	Chlamydophila psittaci C19/98
628	clique	2541047139	Chlamydia psittaci	Chlamydia psittaci 02DC21
628	clique	2519899546	Chlamydia psittaci	Chlamydia psittaci 84/55
628	clique	2541047144	Chlamydia psittaci	Chlamydia psittaci 02DC24
628	clique	2522572169	Chlamydia psittaci	Chlamydia psittaci CP3
628	clique	2541047492	Chlamydia psittaci	Chlamydia psittaci 01DC11
628	clique	650377922	Chlamydophila psittaci	Chlamydophila psittaci RD1
629	clique	641736227	Anaerostipes caccae	Anaerostipes caccae DSM 14662
629	clique	649989907	Anaerostipes sp.	Anaerostipes sp. 3_2_56FAA
630	clique	2519899735	Acinetobacter baumannii	Acinetobacter baumannii ZWS1122
630	clique	2551306318	Acinetobacter baumannii	Acinetobacter baumannii AB_909-02-7
630	clique	2537561842	Acinetobacter baumannii	Acinetobacter baumannii OIFC137
630	clique	2537562056	Acinetobacter baumannii	Acinetobacter baumannii OIFC035
630	clique	2529292949	Acinetobacter baumannii	Acinetobacter baumannii ABNIH17
630	clique	2531839634	Acinetobacter baumannii	Acinetobacter baumannii AA-014
630	clique	2554235053	Acinetobacter baumannii	Acinetobacter baumannii TG07725
630	clique	2554235273	Acinetobacter sp.	Acinetobacter baumannii AB-HKU3-08
630	clique	2537561872	Acinetobacter baumannii	Acinetobacter baumannii MSP4-16
630	clique	2531839356	Acinetobacter baumannii	Acinetobacter baumannii WC-348
630	clique	2554235059	Acinetobacter baumannii	Acinetobacter baumannii TG22110
630	clique	2554235071	Acinetobacter baumannii	Acinetobacter baumannii TG22190
630	clique	2531839461	Acinetobacter baumannii	Acinetobacter baumannii OIFC189
630	clique	2504643025	Acinetobacter baumannii	Acinetobacter baumannii A
630	clique	2554235081	Acinetobacter baumannii	Acinetobacter baumannii TG27311
630	clique	2554235048	Acinetobacter baumannii	Acinetobacter baumannii TG00314
630	clique	2529293014	Acinetobacter baumannii	Acinetobacter baumannii NIPH 190
630	clique	2503754004	Acinetobacter unclassified	Acinetobacter isolate CA1
630	clique	645058757	Acinetobacter baumannii	Acinetobacter baumannii AB900
630	clique	2554235055	Acinetobacter baumannii	Acinetobacter baumannii TG15237
630	clique	2551306325	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27335
630	clique	2551306294	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-15-70
630	clique	2534682195	Acinetobacter baumannii	Acinetobacter baumannii ANC 4097
630	clique	2548876761	Acinetobacter baumannii	Acinetobacter baumannii 5256
630	clique	2554235064	Acinetobacter baumannii	Acinetobacter baumannii TG22112
630	clique	647000204	Acinetobacter baumannii	Acinetobacter baumannii 6013150
630	clique	2531839459	Acinetobacter baumannii	Acinetobacter baumannii Naval-17
630	clique	2551306287	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-15-52
630	clique	2551306286	Acinetobacter baumannii	Acinetobacter baumannii AB_908-14-7
630	clique	2534681844	Acinetobacter baumannii	Acinetobacter baumannii ABNIH15
630	clique	2537562059	Acinetobacter baumannii	Acinetobacter baumannii OIFC099
630	clique	2534682260	Acinetobacter baumannii	Acinetobacter baumannii ABNIH1
630	clique	2551306273	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-23-07-01-7
630	clique	2529292945	Acinetobacter baumannii	Acinetobacter baumannii ABNIH22
630	clique	2554235051	Acinetobacter baumannii	Acinetobacter baumannii TG15233
630	clique	648276604	Acinetobacter baumannii	Acinetobacter baumannii AB056
630	clique	2504756020	Acinetobacter baumannii	Acinetobacter baumannii HC64
630	clique	2551306316	Acinetobacter baumannii	Acinetobacter baumannii AB1H8
630	clique	2551306305	Acinetobacter baumannii	Acinetobacter baumannii AB405E4
630	clique	2551306311	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27327
630	clique	2554235049	Acinetobacter baumannii	Acinetobacter baumannii TG15240
630	clique	2547132302	Acinetobacter baumannii	Acinetobacter baumannii W7282
630	clique	2551306298	Acinetobacter baumannii	Acinetobacter baumannii AB_2007-16-27-01
630	clique	2554235078	Acinetobacter baumannii	Acinetobacter baumannii TG27299
630	clique	2531839350	Acinetobacter baumannii	Acinetobacter baumannii WC-692
630	clique	2551306320	Acinetobacter baumannii	Acinetobacter baumannii AB_909-05
630	clique	2534681908	Acinetobacter baumannii	Acinetobacter baumannii NIPH 146
630	clique	2529292947	Acinetobacter baumannii	Acinetobacter baumannii ABNIH24
630	clique	2531839357	Acinetobacter baumannii	Acinetobacter baumannii Naval-113
630	clique	2554235062	Acinetobacter baumannii	Acinetobacter baumannii TG20546
630	clique	2503754008	Acinetobacter unclassified	Acinetobacter isolate CA3
630	clique	2529293009	Acinetobacter baumannii	Acinetobacter baumannii NIPH 70
630	clique	2537561724	Acinetobacter baumannii	Acinetobacter baumannii Naval-83
630	clique	643348503	Acinetobacter baumannii	Acinetobacter baumannii AB307-0294
630	clique	2547132289	Acinetobacter baumannii	Acinetobacter baumannii UMB003
630	clique	2529293012	Acinetobacter baumannii	Acinetobacter baumannii NIPH 601
630	clique	2554235088	Acinetobacter baumannii	Acinetobacter baumannii TG27379
630	clique	2551306289	Acinetobacter baumannii	Acinetobacter baumannii AB_908-12
630	clique	2537562053	Acinetobacter baumannii	Acinetobacter baumannii WC-A-694
630	clique	2503754012	Acinetobacter unclassified	Acinetobacter isolate CA5
630	clique	2554235046	Acinetobacter baumannii	Acinetobacter baumannii TG02017
630	clique	2534681905	Acinetobacter baumannii	Acinetobacter baumannii NIPH 24
630	clique	2503754006	Acinetobacter unclassified	Acinetobacter isolate CA2
630	clique	2554235347	Acinetobacter baumannii	Acinetobacter baumannii BJAB0715
630	clique	2551306279	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-15-71
630	clique	2551306313	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2022
630	clique	2554235093	Acinetobacter baumannii	Acinetobacter baumannii TG27383
630	clique	2537561723	Acinetobacter baumannii	Acinetobacter baumannii OIFC110
630	clique	2504643026	Acinetobacter baumannii	Acinetobacter baumannii B
630	clique	647000203	Acinetobacter baumannii	Acinetobacter baumannii 6013113

630	clique	2534681851	Acinetobacter baumannii	Acinetobacter baumannii ABNIH6
630	clique	2554235076	Acinetobacter baumannii	Acinetobacter baumannii TG22198
630	clique	2534681909	Acinetobacter baumannii	Acinetobacter baumannii NIPH 615
630	clique	2537562051	Acinetobacter baumannii	Acinetobacter baumannii OIFC065
630	clique	2554235281	Acinetobacter sp.	Acinetobacter baumannii AB-HKU3-10
630	clique	2554235058	Acinetobacter baumannii	Acinetobacter baumannii TG15242
630	clique	2551306333	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus TG19582
630	clique	2547132047	Acinetobacter baumannii	Acinetobacter baumannii 4190
630	clique	2534681845	Acinetobacter baumannii	Acinetobacter baumannii ABNIH14
630	clique	2551306282	Acinetobacter baumannii	Acinetobacter baumannii AB_2007-09-110-01-7
630	clique	2551306326	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27343
630	clique	2551306283	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-15-69
630	clique	2529293185	Acinetobacter baumannii	Acinetobacter baumannii ABNIH26
630	clique	2537561719	Acinetobacter baumannii	Acinetobacter baumannii IS-251
630	clique	2554235086	Acinetobacter baumannii	Acinetobacter baumannii TG22332
630	clique	2537562054	Acinetobacter baumannii	Acinetobacter baumannii Naval-21
630	clique	2554235068	Acinetobacter baumannii	Acinetobacter baumannii TG22196
630	clique	2534682261	Acinetobacter baumannii	Acinetobacter baumannii ABNIH2
630	clique	2529293007	Acinetobacter baumannii	Acinetobacter baumannii NIPH 527
630	clique	2534681910	Acinetobacter baumannii	Acinetobacter baumannii NIPH 2061
630	clique	2551306291	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-15-45
630	clique	2519899842	Acinetobacter baumannii	Acinetobacter baumannii Ab11111
630	clique	2531839464	Acinetobacter baumannii	Acinetobacter baumannii Naval-18
630	clique	2534681907	Acinetobacter baumannii	Acinetobacter baumannii NIPH 1362
630	clique	2519103115	Acinetobacter baumannii	Acinetobacter baumannii TYTH-1
630	clique	2551306107	Acinetobacter baumannii	Acinetobacter baumannii ABIsac_ColIR
630	clique	2551306269	Acinetobacter baumannii	Acinetobacter baumannii AB_1583-8
630	clique	2531839636	Acinetobacter baumannii	Acinetobacter baumannii Naval-78
630	clique	2551306321	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27323
630	clique	2537561717	Acinetobacter baumannii	Acinetobacter baumannii IS-116
630	clique	2554235056	Acinetobacter baumannii	Acinetobacter baumannii TG15234
630	clique	2554235074	Acinetobacter baumannii	Acinetobacter baumannii TG22202
630	clique	2547132309	Acinetobacter sp.	Acinetobacter sp. Hugh 2212, NCTC 10304
630	clique	2551306266	Acinetobacter baumannii	Acinetobacter baumannii AB_1649-8
630	clique	2531839351	Acinetobacter baumannii	Acinetobacter baumannii IS-58
630	clique	2554235091	Acinetobacter baumannii	Acinetobacter baumannii TG27399
630	clique	2551306277	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-15-34-7
630	clique	2551306309	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2028
630	clique	2537561841	Acinetobacter baumannii	Acinetobacter baumannii OIFC032
630	clique	640069301	Acinetobacter baumannii	Acinetobacter baumannii ATCC 17978
630	clique	2537561721	Acinetobacter baumannii	Acinetobacter baumannii Naval-13
630	clique	2551306300	Acinetobacter baumannii	Acinetobacter baumannii AB_1766_8
630	clique	2531839677	Acinetobacter baumannii	Acinetobacter baumannii AB210
630	clique	2551306315	Acinetobacter baumannii	Acinetobacter baumannii AB4A3
630	clique	2531839462	Acinetobacter baumannii	Acinetobacter baumannii IS-123
630	clique	2554235069	Acinetobacter baumannii	Acinetobacter baumannii TG22148
630	clique	2534681847	Acinetobacter baumannii	Acinetobacter baumannii ABNIH11
630	clique	2554235066	Acinetobacter baumannii	Acinetobacter baumannii TG22142
630	clique	2529293183	Acinetobacter baumannii	Acinetobacter baumannii NIPH 80
630	clique	2534681779	Acinetobacter baumannii	Acinetobacter baumannii ABNIH19
630	clique	2529293005	Acinetobacter baumannii	Acinetobacter baumannii NIPH 329
630	clique	2531839638	Acinetobacter baumannii	Acinetobacter baumannii OIFC338
630	clique	2547132223	Acinetobacter baumannii	Acinetobacter baumannii AB059
630	clique	2551306267	Acinetobacter baumannii	Acinetobacter baumannii AB_2007-16-25-01-7
630	clique	2534681911	Acinetobacter baumannii	Acinetobacter baumannii NIPH 1734
630	clique	2554235089	Acinetobacter baumannii	Acinetobacter baumannii TG27387
630	clique	2531839466	Acinetobacter baumannii	Acinetobacter baumannii OIFC074
630	clique	2529293226	Acinetobacter baumannii	Acinetobacter baumannii ABNIH5
630	clique	642555102	Acinetobacter baumannii	Acinetobacter baumannii ACICU
630	clique	2537561843	Acinetobacter baumannii	Acinetobacter baumannii OIFC109
630	clique	2534681906	Acinetobacter baumannii	Acinetobacter baumannii NIPH 1669
630	clique	2554235084	Acinetobacter baumannii	Acinetobacter baumannii TG27307
630	clique	2511231155	Acinetobacter baumannii	Acinetobacter baumannii MDR-ZJ06
630	clique	2548876759	Acinetobacter baumannii	Acinetobacter baumannii 4857
630	clique	2529293011	Acinetobacter baumannii	Acinetobacter baumannii NIPH 67
630	clique	2554235054	Acinetobacter baumannii	Acinetobacter baumannii TG15239
630	clique	2554235063	Acinetobacter baumannii	Acinetobacter baumannii TG2014
630	clique	2548876762	Acinetobacter baumannii	Acinetobacter baumannii 5711
630	clique	2551306276	Acinetobacter baumannii	Acinetobacter baumannii AB_1650-8
630	clique	2531839458	Acinetobacter baumannii	Acinetobacter baumannii Canada BC-5
630	clique	2519899734	Acinetobacter baumannii	Acinetobacter baumannii ZWS1219
630	clique	2534682196	Acinetobacter baumannii	Acinetobacter baumannii ATCC 19606
630	clique	2551306295	Acinetobacter baumannii	Acinetobacter baumannii AB_2009-04-02-7
630	clique	2551306307	Acinetobacter baumannii	Acinetobacter baumannii AB_909-14-7
630	clique	2551306285	Acinetobacter baumannii	Acinetobacter baumannii AB_908-13
630	clique	2554235348	Acinetobacter baumannii	Acinetobacter baumannii BJAB0868
630	clique	2551306304	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2032
630	clique	2551306322	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2030
630	clique	2554235070	Acinetobacter baumannii	Acinetobacter baumannii TG22146
630	clique	2534682264	Acinetobacter baumannii	Acinetobacter baumannii ABNIH4
630	clique	2529292948	Acinetobacter baumannii	Acinetobacter baumannii ABNIH16
630	clique	2531839460	Acinetobacter baumannii	Acinetobacter baumannii OIFC143

630	clique	2554235082	Acinetobacter baumannii	Acinetobacter baumannii TG27315
630	clique	2554235072	Acinetobacter baumannii	Acinetobacter baumannii TG22194
630	clique	2554235077	Acinetobacter baumannii	Acinetobacter baumannii TG27295
630	clique	2551306293	Acinetobacter baumannii	Acinetobacter baumannii AB_515-8
630	clique	2554235095	Acinetobacter baumannii	Acinetobacter baumannii TG27407
630	clique	647000205	Acinetobacter baumannii	Acinetobacter baumannii 6014059
630	clique	2537562052	Acinetobacter baumannii	Acinetobacter baumannii WC-A-92
630	clique	2537561726	Acinetobacter baumannii	Acinetobacter baumannii OIFC0162
630	clique	2545824764	Acinetobacter sp.	Acinetobacter baumannii 1605
630	clique	2529293008	Acinetobacter baumannii	Acinetobacter baumannii NIPH 201
630	clique	2551306288	Acinetobacter baumannii	Acinetobacter baumannii AB_2008-23-01-01-7
630	clique	2551306106	Acinetobacter baumannii	Acinetobacter baumannii ABIsac_Colis
630	clique	2548876760	Acinetobacter baumannii	Acinetobacter baumannii 5075
630	clique	2547132287	Acinetobacter baumannii	Acinetobacter baumannii UMB001
630	clique	2529293186	Acinetobacter baumannii	Acinetobacter baumannii ABNIH25
630	clique	2554235087	Acinetobacter baumannii	Acinetobacter baumannii TG27391
630	clique	2554235061	Acinetobacter baumannii	Acinetobacter baumannii TG2013
630	clique	2519899736	Acinetobacter baumannii	Acinetobacter baumannii AC30
630	clique	2547132045	Acinetobacter baumannii	Acinetobacter baumannii 3990
630	clique	2531839349	Acinetobacter baumannii	Acinetobacter baumannii Naval-82
630	clique	2534682263	Acinetobacter baumannii	Acinetobacter baumannii ABNIH3
630	clique	2554235052	Acinetobacter baumannii	Acinetobacter baumannii TG15236
630	clique	2554235075	Acinetobacter baumannii	Acinetobacter baumannii TG22204
630	clique	2551306317	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2631
630	clique	2551306310	Acinetobacter baumannii	Acinetobacter baumannii AB_TG5064
630	clique	2521172588	Acinetobacter baumannii	Acinetobacter baumannii Ab33333
630	clique	2551306328	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2023
630	clique	2537561790	Acinetobacter baumannii	Acinetobacter baumannii Canada BC-1
630	clique	2554235090	Acinetobacter baumannii	Acinetobacter baumannii TG27395
630	clique	2529292946	Acinetobacter baumannii	Acinetobacter baumannii ABNIH23
630	clique	647533101	Acinetobacter baumannii	Acinetobacter baumannii ATCC 19606
630	clique	2547132224	Acinetobacter baumannii	Acinetobacter baumannii AB058
630	clique	2554235067	Acinetobacter baumannii	Acinetobacter baumannii TG22150
630	clique	650377902	Acinetobacter baumannii	Acinetobacter baumannii TCDC-AB0715
630	clique	643348502	Acinetobacter baumannii	Acinetobacter baumannii AB0057
630	clique	2534681846	Acinetobacter baumannii	Acinetobacter baumannii ABNIH13
630	clique	2519899559	Acinetobacter baumannii	Acinetobacter baumannii AC12
630	clique	641522602	Acinetobacter baumannii	Acinetobacter baumannii AYE
630	clique	2554235060	Acinetobacter baumannii	Acinetobacter baumannii TG20277
630	clique	2551306281	Acinetobacter baumannii	Acinetobacter baumannii 53264
630	clique	2537561725	Acinetobacter baumannii	Acinetobacter baumannii Naval-72
630	clique	2554235085	Acinetobacter baumannii	Acinetobacter baumannii TG27319
630	clique	2503754010	unclassified	Acinetobacter isolate CA4
630	clique	2537562055	Acinetobacter baumannii	Acinetobacter baumannii Naval-57
630	clique	2531839465	Acinetobacter baumannii	Acinetobacter baumannii Naval-81
630	clique	650377901	Acinetobacter baumannii	Acinetobacter baumannii 1656-2
630	clique	2534681778	Acinetobacter baumannii	Acinetobacter baumannii ABNIH18
630	clique	2529293010	Acinetobacter baumannii	Acinetobacter baumannii NIPH 528
630	clique	2551306302	Acinetobacter baumannii	Acinetobacter baumannii AB_TG19617
630	clique	2551306153	Acinetobacter baumannii	Acinetobacter baumannii BZICU-2
630	clique	2531839635	Acinetobacter baumannii	Acinetobacter baumannii OIFC111
630	clique	2537562060	Acinetobacter baumannii	Acinetobacter baumannii OIFC087
630	clique	2554235080	Acinetobacter baumannii	Acinetobacter baumannii TG22214
630	clique	2529293006	Acinetobacter baumannii	Acinetobacter baumannii NIPH 335
630	clique	2554235094	Acinetobacter baumannii	Acinetobacter baumannii TG27411
630	clique	2554235073	Acinetobacter baumannii	Acinetobacter baumannii TG22192
630	clique	2537561722	Acinetobacter baumannii	Acinetobacter baumannii OIFC180
630	clique	2551306272	Acinetobacter baumannii	Acinetobacter baumannii AB_1582-8
630	clique	2521172587	Acinetobacter baumannii	Acinetobacter baumannii Ab44444
630	clique	2554235079	Acinetobacter baumannii	Acinetobacter baumannii TG22336
630	clique	2551306312	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2026
630	clique	2531839348	Acinetobacter baumannii	Acinetobacter baumannii Naval-2
630	clique	2534682328	Acinetobacter baumannii	Acinetobacter baumannii ABNIH20
630	clique	2551306308	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27331
630	clique	2551306324	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2018
630	clique	2531839467	Acinetobacter baumannii	Acinetobacter baumannii OIFC098
630	clique	2529293013	Acinetobacter baumannii	Acinetobacter baumannii NIPH 60
630	clique	2554235065	Acinetobacter baumannii	Acinetobacter baumannii TG2012
630	clique	2529293182	Acinetobacter baumannii	Acinetobacter baumannii NIPH 290
630	clique	2534681848	Acinetobacter baumannii	Acinetobacter baumannii ABNIH10
630	clique	2551306628	Acinetobacter baumannii	Acinetobacter baumannii 48055
630	clique	2551306268	Acinetobacter baumannii	Acinetobacter baumannii AB_909-01-7
630	clique	2531839637	Acinetobacter baumannii	Acinetobacter baumannii OIFC047
630	clique	2547132288	Acinetobacter baumannii	Acinetobacter baumannii UMB002
630	clique	2537561718	Acinetobacter baumannii	Acinetobacter baumannii IS-143
630	clique	2554235047	Acinetobacter baumannii	Acinetobacter baumannii TG02011
630	clique	2551306314	Acinetobacter baumannii	Acinetobacter baumannii AB_TG2031
630	clique	2554235057	Acinetobacter baumannii	Acinetobacter baumannii TG15238
630	clique	2551306306	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27339
630	clique	2554235083	Acinetobacter baumannii	Acinetobacter baumannii TG22212
630	clique	2551306296	Acinetobacter baumannii	Acinetobacter baumannii AB_1536-8
630	clique	2554235346	Acinetobacter baumannii	Acinetobacter baumannii BJAB07104

630	clique	2554235092	Acinetobacter baumannii	Acinetobacter baumannii TG27371
630	clique	2551306270	Acinetobacter baumannii	Acinetobacter baumannii AB_1594-8
630	clique	2504643027	Acinetobacter baumannii	Acinetobacter baumannii C
630	clique	2534681850	Acinetobacter baumannii	Acinetobacter baumannii ABNIH7
630	clique	2554235120	Acinetobacter baumannii	Acinetobacter baumannii PRO7
630	clique	2547132301	Acinetobacter baumannii	Acinetobacter baumannii W6976
630	clique	2537561720	Acinetobacter baumannii	Acinetobacter baumannii IS-235
630	clique	2551306278	Acinetobacter baumannii	Acinetobacter baumannii AB_2009-04-01-7
630	clique	2554235050	Acinetobacter baumannii	Acinetobacter baumannii TG15241
630	clique	2551306301	Acinetobacter baumannii	Acinetobacter baumannii AB_1595_8
630	clique	2547132046	Acinetobacter baumannii	Acinetobacter baumannii 3909
631	clique	2541046979	Propionimicrobium lymphophilum	Propionimicrobium lymphophilum ACS-093-V-SCH5
631	clique	2523533555	Propionimicrobium lymphophilum	Propionimicrobium lymphophilum DSM 4903
632	clique-group	2545824639	Streptococcus suis	Streptococcus suis TL13
632	clique-group	2511231193	Streptococcus suis	Streptococcus suis D12
632	clique-group	646862345	Streptococcus suis	Streptococcus suis GZ1
632	clique-group	2551306275	Streptococcus suis	Streptococcus suis Y567
632	clique-group	650716093	Streptococcus suis	Streptococcus suis ST3
632	clique-group	650377979	Streptococcus suis	Streptococcus suis JS14
632	clique-group	638341209	Streptococcus suis	Streptococcus suis 89/1591
632	clique-group	2551306254	Streptococcus suis	Streptococcus suis YS12
632	clique-group	2551306245	Streptococcus suis	Streptococcus suis YS1
632	clique-group	2511231211	Streptococcus suis	Streptococcus suis ST1
632	clique-group	2551306207	Streptococcus suis	Streptococcus suis 13730
632	clique-group	2551306213	Streptococcus suis	Streptococcus suis 89-2479
632	clique-group	2551306264	Streptococcus suis	Streptococcus suis YS19-3
632	clique-group	2511231186	Streptococcus suis	Streptococcus suis SS12
632	clique-group	2540341157	Streptococcus suis	Streptococcus suis SC070731
632	clique-group	2551306219	Streptococcus suis	Streptococcus suis 12814
632	clique-group	2551306210	Streptococcus suis	Streptococcus suis 11611
632	clique-group	2551306206	Streptococcus suis	Streptococcus suis 2726
632	clique-group	644736408	Streptococcus suis	Streptococcus suis P1/7
632	clique-group	2551306280	Streptococcus suis	Streptococcus suis YS6
632	clique-group	2551306235	Streptococcus suis	Streptococcus suis 93A
632	clique-group	2551306233	Streptococcus suis	Streptococcus suis S428
632	clique-group	2554235447	Streptococcus sp.	Streptococcus suis YB51
632	clique-group	2551306232	Streptococcus suis	Streptococcus suis YS31
632	clique-group	2551306222	Streptococcus suis	Streptococcus suis 92-1400
632	clique-group	2511231166	Streptococcus suis	Streptococcus suis A7
632	clique-group	2551306203	Streptococcus suis	Streptococcus suis 89-3576-3
632	clique-group	2551306449	Streptococcus suis	Streptococcus suis S19
632	clique-group	2511231189	Streptococcus suis	Streptococcus suis D9
632	clique-group	640427147	Streptococcus suis	Streptococcus suis 98HAH33
632	clique-group	2551306209	Streptococcus suis	Streptococcus suis 2524
632	clique-group	2551306226	Streptococcus suis	Streptococcus suis 4961
632	clique-group	644736409	Streptococcus suis	Streptococcus suis SC84
632	clique-group	2551306236	Streptococcus suis	Streptococcus suis YS10-2
632	clique-group	2551306297	Streptococcus suis	Streptococcus suis YS66
632	clique-group	2551306237	Streptococcus suis	Streptococcus suis YS39
632	clique-group	2551306218	Streptococcus suis	Streptococcus suis 07SC3
632	clique-group	2551306240	Streptococcus suis	Streptococcus suis YS3
632	clique-group	2551306214	Streptococcus suis	Streptococcus suis 89-1591
632	clique-group	2551306253	Streptococcus suis	Streptococcus suis YS44
632	clique-group	2551306205	Streptococcus suis	Streptococcus suis 2651
632	clique-group	2551306258	Streptococcus suis	Streptococcus suis YS4
632	clique-group	2551306202	Streptococcus suis	Streptococcus suis 4417
632	clique-group	644736407	Streptococcus suis	Streptococcus suis BM407
632	clique-group	2551306220	Streptococcus suis	Streptococcus suis 14636
632	clique-group	640427146	Streptococcus suis	Streptococcus suis 05ZYH33
632	clique-group	2518645566	Streptococcus suis	Streptococcus suis S735
632	clique-group	2551306262	Streptococcus suis	Streptococcus suis YS24
632	clique-group	2551306255	Streptococcus suis	Streptococcus suis S15
632	clique-group	2551306242	Streptococcus suis	Streptococcus suis YS43
632	clique-group	2551306450	Streptococcus suis	Streptococcus suis 6407
632	clique-group	2551306231	Streptococcus suis	Streptococcus suis R735
632	clique-group	648276749	Streptococcus suis	Streptococcus suis 05HAS68
632	clique-group	2551306261	Streptococcus suis	Streptococcus suis NT77
632	clique-group	2551306250	Streptococcus suis	Streptococcus suis RC1
632	clique-group	2551306259	Streptococcus suis	Streptococcus suis YS53
632	clique-group	2551306284	Streptococcus suis	Streptococcus suis YS59
632	clique-group	2551306229	Streptococcus suis	Streptococcus suis 8830
632	clique-group	2554235450	Streptococcus suis	Streptococcus suis T15
632	clique-group	2551306290	Streptococcus suis	Streptococcus suis YS64
632	clique-group	2551306204	Streptococcus suis	Streptococcus suis 8074
632	clique-group	2551306252	Streptococcus suis	Streptococcus suis S28
632	clique-group	2551306265	Streptococcus suis	Streptococcus suis YS14
632	clique-group	2551306211	Streptococcus suis	Streptococcus suis 11538
633	clique	2526164526	Streptomyces sp.	Streptomyces sp. LaPpAH-201
633	clique	2541047081	Streptomyces albus	Streptomyces albus J1074
633	clique	645058823	Streptomyces albus	Streptomyces albus J1074
633	clique	2547132081	Streptomyces sp.	Streptomyces sp. S4
633	clique	2517572184	Streptomyces sp.	Streptomyces sp. CNY228

634	clique	647000330	Turicibacter sanguinis	Turicibacter sanguinis PC909
634	clique	651324107	Turicibacter sp.	Turicibacter sp. HGF1
635	clique	2517093035	Corynebacterium ulcerans	Corynebacterium ulcerans 0102
635	clique	650716030	Corynebacterium ulcerans	Corynebacterium ulcerans BR-AD22
635	clique	651053019	Corynebacterium ulcerans	Corynebacterium ulcerans 809
636	clique	2506520050	Myroides odoratus	Myroides odoratus DSM 2801
636	clique	2522572176	Myroides odoratimimus	Myroides odoratimimus CIP 103059
637	clique	2534682079	Streptococcus infantis	Streptococcus infantis SK959, GTC 849
637	clique	649990007	Streptococcus infantis	Streptococcus infantis ATCC 700779
638	clique	645951836	Prevotella veroralis	Prevotella veroralis F0319
638	clique	2517572238	Prevotella veroralis	Prevotella veroralis DSM 19559
639	clique	2547132409	Helicobacter pylori	Helicobacter pylori NQ1712
639	clique	2547132410	Helicobacter pylori	Helicobacter pylori NQ315
640	clique	2551306381	Acinetobacter schindleri	Acinetobacter schindleri TG19614
640	clique	2531839311	Acinetobacter sp.	Acinetobacter sp. HA
641	clique-group	648276689	Mobiluncus curtisii	Mobiluncus curtisii curtisii ATCC 35241
641	clique-group	649989973	Mobiluncus curtisii	Mobiluncus curtisii ATCC 51333
641	clique-group	648028043	Mobiluncus curtisii	Mobiluncus curtisii ATCC 43063
641	clique-group	649989974	Mobiluncus curtisii	Mobiluncus curtisii holmesii ATCC 35242
642	clique	2529293016	Staphylococcus equorum	Staphylococcus equorum Mu2
642	clique	2519899605	Staphylococcus sp.	Staphylococcus sp. OJ82
643	clique	2547132116	Fluoribacter dumoffii	Fluoribacter dumoffii Tex-KL, ATCC 33343
643	clique	2547132117	Fluoribacter dumoffii	Fluoribacter dumoffii NY 23, ATCC 33279
644	clique	2518645567	Pseudomonas stutzeri	Pseudomonas stutzeri AN10, CCGU 29243
644	clique	2508501006	Pseudomonas sp.	Pseudomonas sp. PK
645	clique	638341055	Campylobacter upsaliensis	Campylobacter upsaliensis RM3195
645	clique	649989919	Campylobacter upsaliensis	Campylobacter upsaliensis JV21
646	clique	2545555824	Halobiforma lacsalsi	Halobiforma lacsalsi AJ5, JCM 12983
646	clique	2529293100	Halobiforma lacsalsi	Halobiforma lacsalsi AJ5, JCM 12983
647	clique	2508501037	Aminobacter sp.	Aminobacter sp. J41
647	clique	2505679039	Aminobacter sp.	Aminobacter sp. J15
647	clique	2505679040	Aminobacter sp.	Aminobacter sp. J44
648	clique	2531839264	Rhodococcus sp.	Rhodococcus sp. JVH1
648	clique	637000234	Rhodococcus justii	Rhodococcus justii RHA1
648	clique	2548877052	Rhodococcus sp.	Rhodococcus sp. DK17
649	clique	2531839205	Thauera sp.	Thauera sp. 28
649	clique	2531839537	Thauera sp.	Thauera sp. 27
650	clique	2541047565	Gardnerella vaginalis	Gardnerella vaginalis JCP8017B
650	clique	2541047561	Gardnerella vaginalis	Gardnerella vaginalis JCP7659
650	clique	2548877167	Gardnerella vaginalis	Gardnerella vaginalis 00703C2mash
650	clique	2541047564	Gardnerella vaginalis	Gardnerella vaginalis JCP8017A
650	clique	2541047563	Gardnerella vaginalis	Gardnerella vaginalis JCP7719
651	clique	2537562080	Natrinema pellirubrum	Natrinema pellirubrum DSM 15624
651	clique	2509601048	Natrinema pellirubrum	Natrinema pellirubrum 157, JCM 10476
652	clique	650716105	Weissella koreensis	Weissella koreensis KACC 15510
652	clique	2531839183	Weissella koreensis	Weissella koreensis J2156
653	clique-group	643348506	Aliivibrio salmonicida	Aliivibrio salmonicida LFI1238
653	clique-group	2551306056	Aliivibrio logei	Aliivibrio logei 5S-186
653	clique-group	2551306520	Aliivibrio logei	Aliivibrio logei ATCC 35077
654	clique	2527291525	unclassified	Cloacimonetes bacterium JGI 0000039-G13 (Combined_Assembly_WWE1_1_WWE1)
654	clique	642555115	Candidatus Cloacamonas acidaminovorans	Candidatus Cloacamonas acidaminovorans
655	clique	646311918	Cronobacter turicensis	Cronobacter turicensis z3032
655	clique	2531839159	Cronobacter turicensis	Cronobacter turicensis 564
656	clique	2534681668	Bordetella holmesii	Bordetella holmesii H558
656	clique	2548877018	Bordetella holmesii	Bordetella holmesii 44057
656	clique	2534681667	Bordetella holmesii	Bordetella holmesii F627
657	clique	2521172709	unclassified	alpha proteobacterium sp. HIMB5
657	clique	2503982040	unclassified	Alphaproteobacteria sp. SAR11 HIMB5
658	clique	2519899792	Bartonella washoensis	Bartonella washoensis Sb944nv
658	clique	2519899791	Bartonella washoensis	Bartonella washoensis 085-0475
659	clique	650716013	Burkholderia gladioli	Burkholderia gladioli BSR3
659	clique	2551306497	Burkholderia gladioli	Burkholderia gladioli 3848s-5
660	clique	2551306466	Mycobacterium sp.	Mycobacterium neoaurum VKM Ac-1815D
660	clique	2551306546	Mycobacterium sp.	Mycobacterium sp. VKM Ac-1816D
661	clique	637000069	Chlamydomphila pneumoniae	Chlamydomphila pneumoniae CWL029
661	clique	637000070	Chlamydomphila pneumoniae	Chlamydomphila pneumoniae J138
661	clique	637000068	Chlamydomphila pneumoniae	Chlamydomphila pneumoniae AR39
661	clique	637000071	Chlamydomphila pneumoniae	Chlamydomphila pneumoniae TW-183
661	clique	646862319	Chlamydomphila pneumoniae	Chlamydomphila pneumoniae LPCLN
662	clique	2547132517	Campylobacter fetus	Campylobacter fetus venerealis bv. intermedius 99541
662	clique	639633016	Campylobacter fetus	Campylobacter fetus fetus 82-40
663	clique	2547132160	Pseudomonas geniculata	Pseudomonas geniculata N1
663	clique	2547132130	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia RR-10
664	clique	642979308	Wolbachia endosymbiont	Wolbachia endosymbiont of Culex quinquefasciatus JHB
664	clique	642555168	Wolbachia endosymbiont	Wolbachia endosymbiont of Culex quinquefasciatus Pel
664	clique	2551306496	Wolbachia pipientis	Wolbachia pipientis wBol1-b
664	clique	2547132263	Wolbachia sp.	Wolbachia sp. wPipMol (Culex pipiens)
664	clique	2513237282	Wolbachia unclassified	Wolbachia endosymbiont wVitB of Nasonia vitripennis
665	clique	642555136	Leptospira biflexa	Leptospira biflexa Patoc 1 (Ames)
665	clique	642555137	Leptospira biflexa	Leptospira biflexa Patoc 1 (Paris)
666	clique	2519899540	Leuconostoc gelidum	Leuconostoc gelidum JB7
666	clique	651324068	Leuconostoc gelidum	Leuconostoc gelidum Shaw 1A21, KCTC 3527

667	clique	2515154119	Fangia hongkongensis	Fangia hongkongensis DSM 21703
667	clique	2504756040	Fangia hongkongensis	Fangia hongkongensis FSC776
668	clique	645058856	Streptomyces lividans	Streptomyces lividans TK24
668	clique	637000305	Streptomyces coelicolor	Streptomyces coelicolor A3(2)
669	clique	2541047009	Sutterella wadsworthensis	Sutterella wadsworthensis HGA0223
669	clique	649990021	Sutterella wadsworthensis	Sutterella wadsworthensis 3_1_45B
670	clique	2506210028	Microcoleus vaginatus	Microcoleus vaginatus FGP-2
670	clique	2505119011	Microcoleus vaginatus	Microcoleus vaginatus PCC 9802
671	clique	637000145	Lawsonia intracellularis	Lawsonia intracellularis PHE/MN1-00
671	clique	2521172708	Lawsonia intracellularis	Lawsonia intracellularis N343
672	clique	2529293189	Bartonella tamiae	Bartonella tamiae Th239
672	clique	2519899840	Bartonella tamiae	Bartonella tamiae Th307
673	clique	642555160	Staphylococcus haemolyticus	Staphylococcus haemolyticus JCSC1435
673	clique	2548876781	Staphylococcus haemolyticus	Staphylococcus haemolyticus R1P1
674	clique	2516493010	Methylobacterium versatilis	Methylobacterium versatilis 79
674	clique	2519899510	Methylobacterium sp.	Methylobacterium sp. 73s
675	clique	637000259	Shewanella sp.	Shewanella sp. MR-4
675	clique	637000260	Shewanella sp.	Shewanella sp. MR-7
676	clique	2521172711	Enterococcus hirae	Enterococcus hirae ATCC 9790
676	clique	2545824653	Enterococcus hirae	Enterococcus hirae ATCC 9790
677	clique	2537561631	Streptococcus sp.	Streptococcus sp. BS35b
677	clique	2537561966	Streptococcus oralis	Streptococcus oralis SK1074
678	clique	2524614687	Butyrivibrio sp.	Butyrivibrio sp. MB2005
678	clique	2524614688	Butyrivibrio sp.	Butyrivibrio sp. AE3006
679	clique	650716008	Alicyclophorus denitrificans	Alicyclophorus denitrificans K601
679	clique	649633004	Alicyclophorus denitrificans	Alicyclophorus denitrificans BC
680	clique	2506783019	Pseudomonas syringae	Pseudomonas syringae CC1466 (CC1466)
680	clique	2506783024	Pseudomonas syringae	Pseudomonas syringae CC1557 (CC1557)
681	clique	2511231188	Ketogulonicigenium vulgare	Ketogulonicigenium vulgare WSH-001
681	clique	649633059	Ketogulonicigenium vulgare	Ketogulonicigenium vulgare Y25
682	clique	2545824519	Listeria seeligeri	Listeria seeligeri FSL N1-067
682	clique	646564544	Listeria seeligeri	Listeria seeligeri sv 1/2b, SLCC3954
682	clique	2545824518	Listeria seeligeri	Listeria seeligeri FSL S4-171
683	clique	650377923	Clostridium cf. saccharolyticum	Clostridium cf. saccharolyticum K10
683	clique	643886005	Clostridium sp.	Clostridium sp M62/1
684	clique	2541046978	Facklamia hominis	Facklamia hominis ACS-120-V-Sch10
684	clique	2531839288	Facklamia hominis	Facklamia hominis CCUG 36813
685	clique	643886147	Corynebacterium glucuronolyticum	Corynebacterium glucuronolyticum ATCC 51867
685	clique	643886137	Corynebacterium glucuronolyticum	Corynebacterium glucuronolyticum ATCC 51866
686	clique	647000274	Micrococcus luteus	Micrococcus luteus SK58
686	clique	645951813	Micrococcus luteus	Micrococcus luteus NCTC 2665
686	clique	2505679057	Micrococcus luteus	Micrococcus luteus J28
686	clique	644736390	Micrococcus luteus	Micrococcus luteus Fleming NCTC 2665
687	clique	647000341	Vibrio alginolyticus	Vibrio mimicus VM223
687	clique	645951853	Vibrio alginolyticus	Vibrio mimicus VM573
687	clique	647000340	Vibrio alginolyticus	Vibrio mimicus MB-451
687	clique	2531839160	Vibrio mimicus	Vibrio mimicus CAIM 602
687	clique	2547132241	Vibrio mimicus	Vibrio mimicus SX-4
687	clique	645951841	Vibrio mimicus	Vibrio mimicus VM603
688	clique	643348501	Acidithiobacillus ferrooxidans	Acidithiobacillus ferrooxidans ATCC 23270
688	clique	642555101	Acidithiobacillus ferrooxidans	Acidithiobacillus ferrooxidans ATCC 53993
689	clique	645058727	Acidithiobacillus caldus	Acidithiobacillus caldus ATCC 51756
689	clique	650716003	Acidithiobacillus caldus	Acidithiobacillus caldus SM-1
690	clique	2508501101	Clostridium termitidis	Clostridium termitidis CT1112, DSM 5398 (GenePRIMP 2nd submission)
690	clique	2529293168	Clostridium termitidis	Clostridium termitidis CT1112, DSM 5398
691	clique	639857033	Pseudoalteromonas sp.	Pseudoalteromonas sp. TW-7
691	clique	2540341038	Pseudoalteromonas sp.	Pseudoalteromonas sp. BS120480
691	clique	2541047158	Pseudoalteromonas marina	Pseudoalteromonas marina mano4
692	clique	2531839499	Anoxybacillus sp.	Anoxybacillus sp. DT3-1
692	clique	2551306365	Geobacillus caldioxosilyticus	Geobacillus caldioxosilyticus G10
693	clique	2517572145	Salinispora pacifica	Salinispora pacifica CNT148
693	clique	2517287023	Salinispora pacifica	Salinispora pacifica DSM 45548
694	clique	2504756018	Porphyromonas asaccharolytica	Porphyromonas asaccharolytica VPI 4198, DSM 20707
694	clique	649989985	Porphyromonas asaccharolytica	Porphyromonas asaccharolytica PR426713P-I
695	clique	2524023197	Sulfolobus acidocaldarius	Sulfolobus acidocaldarius N8
695	clique	2540341142	Sulfolobus acidocaldarius	Sulfolobus acidocaldarius Ron12/I
695	clique	638154517	Sulfolobus acidocaldarius	Sulfolobus acidocaldarius 98-3, DSM 639
696	clique	2529293244	Haloferax mucosum	Haloferax mucosum ATCC BAA-1512
696	clique	2508501020	Haloferax mucosum	Haloferax mucosum PA12, ATCC BAA-1512
697	clique	649633014	Bartonella clarridgeiae	Bartonella clarridgeiae 73
697	clique	2547132469	Bartonella clarridgeiae	Bartonella clarridgeiae ATCC 51734
698	clique	2526164528	Desulfotignum balticum	Desulfotignum balticum DSM 7044
698	clique	2523231053	Desulfotignum phosphitoxidans	Desulfotignum phosphitoxidans FIPS-3, DSM 13687
699	clique	646564557	Nocardiopsis dassonvillei	Nocardiopsis dassonvillei dassonvillei DSM 43111
699	clique	2519899670	Nocardiopsis sp.	Nocardiopsis sp. CNS639
700	clique	648231707	Geobacter sulfurreducens	Geobacter sulfurreducens KN400
700	clique	637000120	Geobacter sulfurreducens	Geobacter sulfurreducens PCA
701	clique	2537561811	Burkholderia terrae	Burkholderia terrae BS001
701	clique	2534682194	Burkholderia sp.	Burkholderia sp. BT03
702	clique	2512875014	Desulfitobacterium sp.	Desulfitobacterium sp. PCE1, DSM 10344
702	clique	2507262031	Desulfitobacterium dehalogenans	Desulfitobacterium dehalogenans JW/IU-DC1, ATCC 51507
703	clique	651324069	Leuconostoc inhae	Leuconostoc inhae Kim IH003, KCTC 3774

703	clique	649633064	Leuconostoc gasicomitatum	Leuconostoc gasicomitatum LMG 18811
704	clique	648861012	Prevotella oris	Prevotella oris C735
704	clique	2517572237	Prevotella oris	Prevotella oris DSM 18711
704	clique	645951806	Prevotella oris	Prevotella oris F0302
705	clique	646311936	Hydrogenobacter thermophilus	Hydrogenobacter thermophilus TK-6, DSM 6534
705	clique	650377953	Hydrogenobacter thermophilus	Hydrogenobacter thermophilus TK-6, DSM 6534
706	clique	2515154124	Salinispora pacifica	Salinispora pacifica CNT569
706	clique	2518285561	Salinispora pacifica	Salinispora pacifica CNR942
707	clique	2524614586	Pseudomonas syringae	Pseudomonas syringae CC1629
707	clique	2513020038	Pseudomonas syringae	Pseudomonas syringae pv. oryzae 1_6 (Curated version without duplicated contigs)
707	clique	2506783020	Pseudomonas syringae	Pseudomonas syringae CC1513 (CC1513)
708	clique	2264867222	unclassified	Aigarchaeota archaeon SCGC AAA471-E16 (GBS-N_001_11)
708	clique	2527291508	unclassified	Aigarchaeota archaeon SCGC AAA471-A16 (Combined_Assembly_pSL4_4_pSL4)
709	clique	650716032	Delftia sp.	Delftia sp. Cs1-4
709	clique	641228489	Delftia acidovorans	Delftia acidovorans SPH-1
710	clique	638154515	Pyrococcus furiosus	Pyrococcus furiosus DSM 3638
710	clique	2517093039	Pyrococcus furiosus	Pyrococcus furiosus COM1
711	clique	2528768041	Burkholderia sp.	Burkholderia sp. JGI 0001005-I06 (contamination screened)
711	clique	2528768045	Burkholderia sp.	Burkholderia sp. JGI 0001021-E08 (contamination screened)
712	clique	2551306544	Mycobacterium sp.	Mycobacterium sp. VKM Ac-1817D
712	clique	2519899744	Mycobacterium fortuitum	Mycobacterium fortuitum fortuitum DSM 46621
713	clique	2537562180	Selenomonas noxia	Selenomonas noxia F0398
713	clique	645951808	Selenomonas noxia	Selenomonas noxia ATCC 43541
714	clique	2531839403	Klebsiella oxytoca	Klebsiella oxytoca 10-5246
714	clique	2540341161	Raoultella ornithinolytica	Raoultella ornithinolytica B6
715	clique	2515154121	Geobacillus debilis	Geobacillus debilis DSM 16016
715	clique	2506783043	Geobacillus debilis	Geobacillus debilis gb1 (GenePRIMP)
716	clique	650716084	Salmonella bongori	Salmonella bongori NCTC 12419
716	clique	2541047025	Salmonella bongori	Salmonella bongori Sbon_167
717	clique	2534682201	Staphylococcus saprophyticus	Staphylococcus saprophyticus saprophyticus KACC 16562
717	clique	637000284	Staphylococcus saprophyticus	Staphylococcus saprophyticus saprophyticus ATCC 15305
718	clique	2513237289	Streptococcus pseudopneumoniae	Streptococcus pseudopneumoniae SK674
718	clique	2511231123	Streptococcus pseudopneumoniae	Streptococcus pseudopneumoniae IS7493
718	clique	2531839346	Streptococcus pseudopneumoniae	Streptococcus pseudopneumoniae SK1069, CCUG 49455
719	clique	2551306552	Enterovibrio norvegicus	Enterovibrio norvegicus FF-454
719	clique	2551306603	Enterovibrio norvegicus	Enterovibrio norvegicus FF-162
719	clique	2551306062	Enterovibrio norvegicus	Enterovibrio norvegicus FF-33
720	clique	2541047159	Pseudoalteromonas piscicida	Pseudoalteromonas piscicida JCM 20779
720	clique	2551306111	Pseudoalteromonas sp.	Pseudoalteromonas sp. NJ631
720	clique	2519899641	Pseudoalteromonas piscicida	Pseudoalteromonas piscicida ATCC 15057
721	clique	2513237180	Providencia stuartii	Providencia stuartii MRSN 2154
721	clique	641736172	Providencia stuartii	Providencia stuartii ATCC 25827
722	clique	2516653048	Bradyrhizobium sp.	Bradyrhizobium genosp. SA-4 CB756
722	clique	2513237136	Bradyrhizobium sp.	Bradyrhizobium sp. USDA 3384
723	clique	2540341148	Candidatus Moranella endobia	Candidatus Moranella endobia PCVAL
723	clique	650716016	Candidatus Moranella endobia	Candidatus Moranella endobia PCIT
724	clique	2513237266	Citrobacter freundii	Citrobacter freundii 4_7_47CFAA
724	clique	646206256	Citrobacter sp.	Citrobacter sp. 30_2
725	clique	2512047081	Vibrio tubiashii	Vibrio tubiashii ATCC 19109
725	clique	2537562116	Vibrio tubiashii	Vibrio tubiashii NCIMB 1337
726	clique	643692022	Escherichia fergusonii	Escherichia fergusonii UMN026, ATCC 35469
726	clique	2534681604	Escherichia fergusonii	Escherichia fergusonii B253
726	clique	2547132077	Escherichia fergusonii	Escherichia fergusonii ECD227
727	clique	2548876503	Helicobacter pylori	Helicobacter pylori NQ4191
727	clique	2547132406	Helicobacter pylori	Helicobacter pylori NQ1671
727	clique	2548876500	Helicobacter pylori	Helicobacter pylori NQ367
728	clique	637000098	Ehrlichia chaffeensis	Ehrlichia chaffeensis Arkansas
728	clique	638341079	Ehrlichia chaffeensis	Ehrlichia chaffeensis Sapulpa
729	clique	2540341249	Lactobacillus brevis	Lactobacillus brevis AG48
729	clique	639633027	Lactobacillus brevis	Lactobacillus brevis ATCC 367
729	clique	2505119024	Lactobacillus brevis	Lactobacillus brevis VBLLa 15-17
729	clique	2505119023	Lactobacillus brevis	Lactobacillus brevis VBLLa 23-09
730	clique	2545824689	unclassified	Megasphaera sp. NM10
730	clique	2545824774	unclassified	Megasphaera sp. BL7
731	clique	2534682144	Streptococcus intermedius	Streptococcus intermedius F0395
731	clique	2537561968	Streptococcus constellatus	Streptococcus constellatus constellatus SK53, ATCC 27823
732	clique	650716002	Acidiphilium multivorum	Acidiphilium multivorum AIU301
732	clique	640427101	Acidiphilium cryptum	Acidiphilium cryptum JF-5
732	clique	651324003	Acidiphilium sp.	Acidiphilium sp. PM, DSM 24941
733	clique	2547132036	Lactobacillus gasserii	Lactobacillus gasserii SJ-9E-US
733	clique	645058712	Lactobacillus gasserii	Lactobacillus gasserii 202-4
733	clique	647000265	Lactobacillus gasserii	Lactobacillus gasserii 224-1
733	clique	639633030	Lactobacillus gasserii	Lactobacillus gasserii ATCC 33323
733	clique	643886189	Lactobacillus gasserii	Lactobacillus gasserii MV-22
733	clique	2534681631	Lactobacillus gasserii	Lactobacillus gasserii CECT 5714
733	clique	2547132037	Lactobacillus gasserii	Lactobacillus gasserii SV-16A-US
734	clique	2524023183	Brevibacillus agri	Brevibacillus agri BAB-2500
734	clique	2510917027	Brevibacillus sp.	Brevibacillus sp. CF112
735	clique	642555106	Anaeromyxobacter sp.	Anaeromyxobacter sp. K
735	clique	643348507	Anaeromyxobacter dehalogenans	Anaeromyxobacter dehalogenans ZCP-1
736	clique	2540341079	Mycoplasma agalactiae	Mycoplasma agalactiae 5632
736	clique	646564553	Mycoplasma agalactiae	Mycoplasma agalactiae PG2

737	clique	2551306271	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y574
737	clique	2551306251	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y549
737	clique	2551306243	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y527-2
737	clique	2551306230	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y550
737	clique	2551306263	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y521
738	clique	638154504	<i>Halobacterium</i> sp.	<i>Halobacterium</i> sp. NRC-1
738	clique	641522631	<i>Halobacterium salinarum</i>	<i>Halobacterium salinarum</i> R1, DSM 671
739	clique	2540341240	<i>Microbacterium</i> sp.	<i>Microbacterium</i> sp. KROCY2
739	clique	2519899570	<i>Kocuria palustris</i>	<i>Kocuria palustris</i> TAGA27
740	clique	649633066	<i>Mesorhizobium ciceri</i>	<i>Mesorhizobium ciceri</i> bv <i>biserrulae</i> WSM1271
740	clique	2509276018	<i>Mesorhizobium ciceri</i>	<i>Mesorhizobium ciceri</i> CMG6
740	clique	2508501126	<i>Mesorhizobium loti</i>	<i>Mesorhizobium</i> sp. WSM1293
741	clique	640753045	<i>Rickettsia canadensis</i>	<i>Rickettsia canadensis</i> McKiel
741	clique	2512564031	<i>Rickettsia canadensis</i>	<i>Rickettsia canadensis</i> CA410
742	clique	647000264	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> 214-1
742	clique	646206277	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> MV-1A-US
742	clique	646564539	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> ST1
742	clique	2529292892	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> FB049-03
742	clique	647533176	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> 125-2-CHN
742	clique	647533177	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> MV-3A-US
742	clique	2547132034	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> SJ-3C-US
742	clique	651285003	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> CTV-05
742	clique	2529292893	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> FB077-07
742	clique	643886212	<i>Lactobacillus crispatus</i>	<i>Lactobacillus crispatus</i> JV-V01
743	clique	2531839543	<i>Haemophilus sputorum</i>	<i>Haemophilus sputorum</i> sp.nov. HK2154
743	clique	2513237309	<i>Haemophilus parainfluenzae</i>	<i>Haemophilus parainfluenzae</i> CCGU 13788
744	clique	643886063	<i>Atopobium vaginae</i>	<i>Atopobium vaginae</i> DSM 15829
744	clique	648276620	<i>Atopobium vaginae</i>	<i>Atopobium vaginae</i> DSM 15829
745	clique	2540341113	<i>Tepidanaerobacter acetatoydans</i>	<i>Tepidanaerobacter acetatoydans</i> Re1
745	clique	650716094	<i>Tepidanaerobacter</i> sp.	<i>Tepidanaerobacter</i> sp. Re1
746	clique	2529292687	<i>Corynebacterium urealyticum</i>	<i>Corynebacterium urealyticum</i> DSM 7111
746	clique	641522620	<i>Corynebacterium urealyticum</i>	<i>Corynebacterium urealyticum</i> DSM 7109
747	clique	2551306374	<i>Dickeya solani</i>	<i>Dickeya solani</i> IPO 2222
747	clique	2551306378	<i>Dickeya solani</i>	<i>Dickeya solani</i> MK10
747	clique	2551306375	<i>Dickeya solani</i>	<i>Dickeya solani</i> MK16
747	clique	2547132170	<i>Dickeya solani</i>	<i>Dickeya solani</i> GBBC 2040
748	clique	2526164762	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. URIL14HWK12:16
748	clique	2521172644	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. LAMO17WK12:16
748	clique	2521172639	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. LAMO17WK12:15
749	clique	2511231111	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> PW8
749	clique	2541047478	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> Aberdeen
749	clique	2511231126	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> 241
749	clique	2511231107	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> VA01
749	clique	637000082	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> gravis NCTC 13129
749	clique	2511231089	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> C7 (beta)
749	clique	2541047477	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> DSM 43988
749	clique	2531839679	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> bv. <i>intermedius</i> NCTC 5011
749	clique	2511231075	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> 31A
749	clique	2548876921	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> bv. <i>mitis</i> NC03529
749	clique	2511231084	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> HC04
749	clique	2511231091	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> HC02
749	clique	2511231083	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> HC01
749	clique	2511231099	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> BH8
749	clique	2511231088	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> INCA 402
749	clique	2511231115	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> CDCE 8392
749	clique	2511231059	<i>Corynebacterium diphtheriae</i>	<i>Corynebacterium diphtheriae</i> HC03
750	clique	2513237118	<i>Desulfurococcus mobilis</i>	<i>Desulfurococcus mobilis</i> DSM 2161
750	clique	649633040	<i>Desulfurococcus mucosus</i>	<i>Desulfurococcus mucosus</i> 07/1, DSM 2162
751	clique	2547132297	<i>Acinetobacter berezeniae</i>	<i>Acinetobacter berezeniae</i> Brisou 64, LMG 1003
751	clique	2537562058	<i>Acinetobacter</i> sp.	<i>Acinetobacter</i> sp. WC-743
752	clique	650716071	<i>Parachlamydia acanthamoebae</i>	<i>Parachlamydia acanthamoebae</i> UV7
752	clique	647000287	<i>Parachlamydia acanthamoebae</i>	<i>Parachlamydia acanthamoebae</i> Hall's coccus
753	clique	2502171149	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> HK1651 (Chromosome)
753	clique	2531839387	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> sv c SCC2302
753	clique	648028005	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> D11S-1
753	clique	2531839389	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> sv d I63B
753	clique	2529292968	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> sv f D18P1
753	clique	2531839510	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> serotype c AAS4A
753	clique	2529292950	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> D17P-3
753	clique	2511231110	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> ANH9381
753	clique	2515154019	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> DSM 8324
753	clique	2531839511	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> serotype b SCC4092
753	clique	2529292967	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> sv b SCC1398
753	clique	2540341078	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> D7S-1
753	clique	647000208	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> D7S-1
753	clique	2534681795	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> D17P-2
753	clique	2537561947	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> Y4
753	clique	2531839390	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> sv a H5P1
753	clique	2531839507	<i>Aggregatibacter actinomycetemcomitans</i>	<i>Aggregatibacter actinomycetemcomitans</i> serotype b S23A
754	clique	643348555	<i>Gluconacetobacter diazotrophicus</i>	<i>Gluconacetobacter diazotrophicus</i> PAI 5, DSM 5601
754	clique	641228493	<i>Gluconacetobacter diazotrophicus</i>	<i>Gluconacetobacter diazotrophicus</i> PAI 5, DSM 5601
755	clique	2534682083	<i>Gardnerella vaginalis</i>	<i>Gardnerella vaginalis</i> 6420B

755	clique	647000255	Gardnerella vaginalis	Gardnerella vaginalis AMD
756	clique	2548876925	Cronobacter sakazakii	Cronobacter sakazakii E764
756	clique	2529292991	Cronobacter sakazakii	Cronobacter sakazakii E899
756	clique	2537561898	Cronobacter sakazakii	Cronobacter sakazakii 680
756	clique	2540341120	Cronobacter sakazakii	Cronobacter sakazakii Sp291
756	clique	2519103108	Cronobacter sakazakii	Cronobacter sakazakii ES15
756	clique	2547132398	Cronobacter sakazakii	Cronobacter sakazakii ES713
756	clique	2548876923	Cronobacter sakazakii	Cronobacter sakazakii 2151
756	clique	640753022	Cronobacter sakazakii	Cronobacter sakazakii ATCC BAA-894
756	clique	2548876924	Cronobacter sakazakii	Cronobacter sakazakii ES35
757	clique	2505119046	Caldicellulosiruptor kristjanssonii	Caldicellulosiruptor kristjanssonii (GeneMark)
757	clique	2505119041	Caldicellulosiruptor kristjanssonii	Caldicellulosiruptor kristjanssonii (single shotgun 454 sequencing)
757	clique	649633023	Caldicellulosiruptor kristjanssonii	Caldicellulosiruptor kristjanssonii 177R1B, DSM 12137
757	clique	2524614853	Caldicellulosiruptor acetigenus	Caldicellulosiruptor acetigenus DSM 7040
757	clique	2506485007	Caldicellulosiruptor lactoaceticus	Caldicellulosiruptor lactoaceticus 6A, DSM 9545
758	clique	2529293253	Acetobacter pasteurianus	Acetobacter pasteurianus pasteurianus LMG 1262
758	clique	646862306	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-26
758	clique	646862304	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-12
758	clique	646862302	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-03
758	clique	646862307	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-32
758	clique	646862301	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-01-42C
758	clique	646862305	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-22
758	clique	644736321	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-01
758	clique	2548876776	Acetobacter pasteurianus	Acetobacter pasteurianus pasteurianus LMG 1262
758	clique	646862303	Acetobacter pasteurianus	Acetobacter pasteurianus IFO 3283-07
758	clique	2541047087	Acetobacter pasteurianus	Acetobacter pasteurianus 386B
758	clique	2529293252	Acetobacter pasteurianus	Acetobacter pasteurianus NBRC 101655
759	clique-group	2537562011	Acinetobacter pittii	Acinetobacter pittii ANC 3678
759	clique-group	2551306323	Acinetobacter baumannii	Acinetobacter baumannii AB_TG27347
759	clique-group	2547132299	Acinetobacter sp.	Acinetobacter sp. genomospecies 3, DSM 21653
759	clique-group	2551306338	Acinetobacter pittii	Acinetobacter pittii TG6411
759	clique-group	647533108	Acinetobacter sp.	Acinetobacter sp. SH024
759	clique-group	650377903	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus PHEA-2
759	clique-group	2551306351	Acinetobacter sp.	Acinetobacter sp. 528
759	clique-group	2551306460	Acinetobacter calcoaceticus	Acinetobacter calcoaceticus anitratus XM1570
759	clique-group	2537561555	Acinetobacter pittii	Acinetobacter pittii CIP 70.29
759	clique-group	2547132304	Acinetobacter sp.	Acinetobacter sp. genomospecies 3 Tr II-3, DSM 9306
759	clique-group	2531839353	Acinetobacter baumannii	Acinetobacter baumannii WC-136
759	clique-group	2547132125	Acinetobacter pittii	Acinetobacter pittii D499
759	clique-group	2551306362	Acinetobacter sp.	Acinetobacter sp. TG2027
760	clique	2516143070	Candidatus Arthromitus sp.	Candidatus Arthromitus sp. SFB-mouse-NYU
760	clique	2505119009	Clostridium sp.	Clostridium sp. C03-6
760	clique	2534681893	Candidatus Arthromitus sp.	Candidatus Arthromitus sp. SFB-co
760	clique	2511231204	Candidatus Arthromitus sp.	Candidatus Arthromitus sp. SFB-mouse-Yit
760	clique	2537562033	Candidatus Arthromitus sp.	Candidatus Arthromitus sp. SFB-mouse-SU
760	clique	2511231076	Candidatus Arthromitus sp.	Candidatus Arthromitus sp. SFB-mouse-Japan
761	clique-group	641522619	Clostridium botulinum	Clostridium botulinum BoNT/B1 Okra
761	clique-group	640753018	Clostridium botulinum	Clostridium botulinum BoNT/A1 Hall
761	clique-group	640427109	Clostridium botulinum	Clostridium botulinum type A - Hall
761	clique-group	2519899574	Clostridium botulinum	Clostridium botulinum CFSAN001627
761	clique-group	641522617	Clostridium botulinum	Clostridium botulinum BoNT/A3 Loch Maree
761	clique-group	2519899573	Clostridium botulinum	Clostridium botulinum CFSAN001628
761	clique-group	641736148	Clostridium botulinum	Clostridium botulinum Bf
761	clique-group	643692017	Clostridium botulinum	Clostridium botulinum Ba4 657
761	clique-group	646862320	Clostridium botulinum	Clostridium botulinum F 230613
761	clique-group	641736137	Clostridium botulinum	Clostridium botulinum NCTC 2916
761	clique-group	640753019	Clostridium botulinum	Clostridium botulinum F Langeland
761	clique-group	640753017	Clostridium botulinum	Clostridium botulinum BoNT/A1, ATCC 19397
761	clique-group	643692016	Clostridium botulinum	Clostridium botulinum BoNT/A2 Kyoto-F
761	clique-group	651053018	Clostridium botulinum	Clostridium botulinum H04402 065
762	clique	2503754051	Bacteroides vulgatus	Bacteroides vulgatus 274-1D4 (mouse strain)
762	clique	2510065018	Bacteroides vulgatus	Bacteroides vulgatus RJ2L3
762	clique	647000214	Bacteroides vulgatus	Bacteroides vulgatus PCS10
762	clique	649989913	Bacteroides sp.	Bacteroides sp. 3_1_40A
762	clique	646206274	Bacteroides sp.	Bacteroides sp. 4_3_47FAA
762	clique	2510065017	Bacteroides vulgatus	Bacteroides vulgatus RJ2H1
762	clique	640753008	Bacteroides vulgatus	Bacteroides vulgatus ATCC 8482
762	clique	2537561756	Bacteroides vulgatus	Bacteroides vulgatus CL09T03C04
763	clique	2511231032	Pseudomonas sp.	Pseudomonas sp. GM24
763	clique	2511231031	Pseudomonas sp.	Pseudomonas sp. GM16
764	clique	2541047572	Gardnerella vaginalis	Gardnerella vaginalis JCP8481B
764	clique	2541047571	Gardnerella vaginalis	Gardnerella vaginalis JCP8481A
765	clique	640963015	Bifidobacterium adolescentis	Bifidobacterium adolescentis L2-32
765	clique	639633010	Bifidobacterium adolescentis	Bifidobacterium adolescentis ATCC 15703
766	clique	2504756022	Francisella philomiragia	Francisella philomiragia FSC037
766	clique	2504756027	Francisella philomiragia	Francisella philomiragia FSC154
766	clique	2504756025	Francisella philomiragia	Francisella philomiragia FSC145
766	clique	2504756023	Francisella philomiragia	Francisella philomiragia FSC039
766	clique	2505119037	Francisella philomiragia	Francisella philomiragia philomiragia ATCC 25015
766	clique	641522628	Francisella philomiragia	Francisella philomiragia philomiragia ATCC 25017
767	clique	637000060	Carboxydotherrus hydrogenoformans	Carboxydotherrus hydrogenoformans Z-2901, DSM 6008
767	clique	2510065088	Carboxydotherrus ferrireducens	Carboxydotherrus ferrireducens DSM 11255

768	clique	2534682293	Bifidobacterium breve	Bifidobacterium breve 26M2
768	clique	651053005	Bifidobacterium breve	Bifidobacterium breve ACS-071-V-Sch8b
768	clique	643886102	Bifidobacterium breve	Bifidobacterium breve DSM 20213
768	clique	2541047574	Bifidobacterium breve	Bifidobacterium breve JCP7499
768	clique	2547132112	Bifidobacterium breve	Bifidobacterium breve DPC 6330
768	clique	651053006	Bifidobacterium breve	Bifidobacterium breve UCC2003 (NCIM8807)
768	clique	2541047014	Bifidobacterium breve	Bifidobacterium breve HPH0326
769	clique	646564523	Comamonas testosteroni	Comamonas testosteroni CNB-1
769	clique	648276631	Comamonas testosteroni	Comamonas testosteroni S44
770	clique	2519899783	Bacillus cereus	Bacillus cereus HuB2-9
770	clique	643886159	Bacillus cereus	Bacillus cereus Rock3-28
770	clique	2537562035	Bacillus cereus	Bacillus cereus HuB5-5
770	clique	2531839362	Bacillus cereus	Bacillus cereus VD214
770	clique	2519103124	Bacillus cereus	Bacillus cereus BAG4X2-1
770	clique	2519103147	Bacillus cereus	Bacillus cereus VD115
770	clique	2537561851	Bacillus cereus	Bacillus cereus VD131
770	clique	2531839573	Bacillus cereus	Bacillus cereus HuB4-10
770	clique	2537561848	Bacillus cereus	Bacillus cereus VD148
770	clique	2537562004	Bacillus cereus	Bacillus cereus BAG60-1
770	clique	643886160	Bacillus cereus	Bacillus cereus Rock1-3
770	clique	2521172701	Bacillus thuringiensis	Bacillus thuringiensis MC28
770	clique	643886158	Bacillus cereus	Bacillus cereus Rock3-29
770	clique	2519899843	Bacillus cereus	Bacillus cereus BAG10-2
770	clique	2531839575	Bacillus cereus	Bacillus cereus HuA2-3
770	clique	2519103121	Bacillus cereus	Bacillus cereus BAG50-1
770	clique	2541047116	Bacillus cereus	Bacillus cereus BAG20-2
771	clique	2551306650	Leptospira santarosai	Leptospira santarosai sv. Szwajizak Oregon
771	clique	2537561764	Leptospira santarosai	Leptospira santarosai 200702252
771	clique	2519899799	Leptospira santarosai	Leptospira santarosai CBC379
771	clique	2531839266	Leptospira santarosai	Leptospira santarosai JET
771	clique	2537561766	Leptospira santarosai	Leptospira santarosai HAI821
771	clique	2531839373	Leptospira santarosai	Leptospira santarosai ZUN179
771	clique	2537561627	unclassified	Leptospira sp. Fiocruz LV4135
771	clique	2531839372	Leptospira santarosai	Leptospira santarosai MOR084
771	clique	2526164678	Leptospira santarosai	Leptospira santarosai 200403458
771	clique	2534681769	Leptospira santarosai	Leptospira santarosai ST188
771	clique	2548877004	Leptospira santarosai	Leptospira santarosai sv. Arenal 7
771	clique	2537561763	Leptospira santarosai	Leptospira santarosai HAI134
771	clique	2541047005	Leptospira santarosai	Leptospira santarosai HAI1349
771	clique	2537561765	Leptospira santarosai	Leptospira santarosai sv. Arenal MAVJ 401
771	clique	2537561626	unclassified	Leptospira sp. Fiocruz LV3954
771	clique	2529292849	Leptospira santarosai	Leptospira santarosai CBC1531
771	clique	2529292848	Leptospira santarosai	Leptospira santarosai sv. Shermani 1342KT
771	clique	2537561767	Leptospira santarosai	Leptospira santarosai HAI1380
771	clique	2537561863	Leptospira santarosai	Leptospira santarosai AIM
771	clique	2545824529	Leptospira interrogans	Leptospira interrogans 2000027870
771	clique	2548877003	Leptospira santarosai	Leptospira santarosai sv. Arenal 11
771	clique	2537561862	Leptospira santarosai	Leptospira santarosai CBC1416
771	clique	2526164576	Leptospira santarosai	Leptospira santarosai 2000030832
771	clique	2537561762	Leptospira santarosai	Leptospira santarosai CBC523
771	clique	2537562171	Leptospira santarosai	Leptospira interrogans sv Shermani, LT 821
772	clique	2518645596	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:13
772	clique	2518645593	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:11
772	clique	2521172673	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:19
772	clique	2521172668	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:13
772	clique	2521172672	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:110
772	clique	2524023168	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:111
772	clique	2518645594	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:12
773	clique	650377955	Lactobacillus helveticus	Lactobacillus helveticus H10
773	clique	641228495	Lactobacillus helveticus	Lactobacillus helveticus DPC 4571
773	clique	2521172688	Lactobacillus helveticus	Lactobacillus helveticus R0052
773	clique	645951865	Lactobacillus helveticus	Lactobacillus helveticus DSM 20075
773	clique	2534681740	Lactobacillus helveticus	Lactobacillus helveticus MTCC 5463
774	clique	2519899750	Rhodobacter sp.	Rhodobacter sp. AKP1
774	clique	640069328	Rhodobacter sphaeroides	Rhodobacter sphaeroides ATCC 17029
774	clique	2512875023	Rhodobacter sphaeroides	Rhodobacter sphaeroides 2.4.1
774	clique	643348570	Rhodobacter sphaeroides	Rhodobacter sphaeroides KD131
774	clique	640069327	Rhodobacter sphaeroides	Rhodobacter sphaeroides 2.4.1, ATCC BAA-808
774	clique	651324095	Rhodobacter sphaeroides	Rhodobacter sphaeroides WS8N
775	clique	640069307	Burkholderia vietnamiensis	Burkholderia vietnamiensis G4
775	clique	2519103095	Burkholderia sp.	Burkholderia sp. KJ006
776	clique	2509276015	Paracoccus sp.	Paracoccus sp. J55
776	clique	2508501031	Paracoccus sp.	Paracoccus sp. J39
776	clique	2504756064	Paracoccus sp.	Paracoccus sp. J4
777	clique	2519103150	Bacillus cereus	Bacillus cereus VD078
777	clique	643886163	Bacillus cereus	Bacillus cereus BDRD-ST196
777	clique	2531839364	Bacillus cereus	Bacillus cereus VDM022
777	clique	2537562007	Bacillus cereus	Bacillus cereus BtB2-4
777	clique	643886175	Bacillus mycoides	Bacillus mycoides DSM 2048
777	clique	2531839577	Bacillus cereus	Bacillus cereus HuA2-9
777	clique	2541047117	Bacillus cereus	Bacillus cereus HuA3-9
777	clique	2537561847	Bacillus cereus	Bacillus cereus VD146

777	clique	2531839576	Bacillus cereus	Bacillus cereus HuA2-4
777	clique	643886031	Bacillus cereus	Bacillus cereus AH621
777	clique	2537562224	Bacillus cereus	Bacillus cereus VD142
777	clique	2531839365	Bacillus cereus	Bacillus cereus VDM019
777	clique	2519103151	Bacillus cereus	Bacillus cereus VD048
777	clique	2537562006	Bacillus cereus	Bacillus cereus CER057
777	clique	2537561697	Bacillus cereus	Bacillus cereus VD021
777	clique	2537561999	Bacillus cereus	Bacillus cereus HuA2-1
777	clique	641228477	Bacillus weihenstephanensis	Bacillus weihenstephanensis KBAB4
777	clique	643886180	Bacillus cereus	Bacillus cereus AH603
777	clique	2531839359	Bacillus cereus	Bacillus cereus VDM062
777	clique	2537562005	Bacillus cereus	Bacillus cereus CER074
777	clique	2531839367	Bacillus cereus	Bacillus cereus VDM034
778	clique	2547132180	Methylococcus capsulatus	Methylococcus capsulatus Texas
778	clique	637000166	Methylococcus capsulatus	Methylococcus capsulatus Bath
778	clique	2524614767	Methylococcus capsulatus	Methylococcus capsulatus ATCC 19069
779	clique	2509276010	Pseudoxanthomonas suwonensis	Pseudoxanthomonas suwonensis J47
779	clique	2508501118	Pseudoxanthomonas suwonensis	Pseudoxanthomonas suwonensis J43
779	clique	2509276013	Pseudoxanthomonas suwonensis	Pseudoxanthomonas suwonensis J42
780	clique	2551306043	Enterovibrio calviensis	Enterovibrio calviensis 1F-230
780	clique	2551306044	Enterovibrio calviensis	Enterovibrio calviensis FF-85
780	clique	2551306035	Enterovibrio calviensis	Enterovibrio calviensis 1F-211
781	clique	2515154113	Rhizobium leguminosarum	Rhizobium leguminosarum bv. viciae Vc2
781	clique	2513237162	Rhizobium leguminosarum	Rhizobium leguminosarum bv viciae GB30
781	clique	2515154116	Rhizobium leguminosarum	Rhizobium leguminosarum bv. viciae Ps8
781	clique	2515154114	Rhizobium leguminosarum	Rhizobium leguminosarum bv. viciae Vh3
781	clique	2510461076	Rhizobium leguminosarum	Rhizobium leguminosarum bv trifolii TA1
782	clique	2528768035	unclassified	beta proteobacterium JGI 0001001-A11 (contamination screened)
782	clique	2522125080	Ralstonia pickettii	Ralstonia pickettii OR214
782	clique	2528768092	Ralstonia sp.	Ralstonia sp. JGI 0001001-B07 (contamination screened)
782	clique	642555151	Ralstonia pickettii	Ralstonia pickettii 12J
782	clique	2528768093	Ralstonia sp.	Ralstonia sp. JGI 0001001-C06 (contamination screened)
783	clique	2507149004	Alcanivorax sp.	Alcanivorax sp.
783	clique	2507149008	Alcanivorax sp.	Alcanivorax sp. sk2-jrc
783	clique	637000004	Alcanivorax borkumensis	Alcanivorax borkumensis SK2
784	clique	2523533568	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:13
784	clique	2518645600	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:11
784	clique	2523533528	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:14
784	clique	2505679082	Pseudomonas fulva	Pseudomonas fulva 12-X
785	clique	2513237199	Rubrivivax gelatinosus	Rubrivivax gelatinosus IL144
785	clique	2548876976	Rubrivivax gelatinosus	Rubrivivax gelatinosus CBS
786	clique	649989986	Prevotella buccae	Prevotella buccae ATCC 33574
786	clique	647533195	Prevotella buccae	Prevotella buccae D17
786	clique	2531839272	Prevotella sp.	Prevotella sp. MSX73
787	clique	650716076	Pseudomonas putida	Pseudomonas putida S16
787	clique	2521172712	Pseudomonas putida	Pseudomonas putida PC9
788	clique	2537561659	Clostridium bolteae	Clostridium bolteae 90A5
788	clique	2531839010	Clostridium bolteae	Clostridium bolteae 90B3
788	clique	2531839008	Clostridium clostridioforme	Clostridium clostridioforme 90A7
788	clique	2531839012	Clostridium bolteae	Clostridium bolteae 90B8
788	clique	2531839011	Clostridium bolteae	Clostridium bolteae 90B7
788	clique	2531839009	Clostridium bolteae	Clostridium bolteae 90A9
788	clique	641380428	Clostridium bolteae	Clostridium bolteae ATCC BAA-613
789	clique	2534682024	Acinetobacter junii	Acinetobacter junii NIPH 182
789	clique	2545824736	Acinetobacter junii	Acinetobacter junii MTCC 11364
789	clique	646206269	Acinetobacter junii	Acinetobacter junii SH205
789	clique	2534682021	Acinetobacter junii	Acinetobacter junii CIP 64.5
789	clique	2534682023	Acinetobacter junii	Acinetobacter junii CIP 107470
789	clique	2551306345	Acinetobacter junii	Acinetobacter junii TG19608
790	clique	2507262044	Hydrogenobaculum sp.	Hydrogenobaculum sp. SN
790	clique	2506210034	Hydrogenobaculum sp.	Hydrogenobaculum sp. HO
790	clique	2506210035	Hydrogenobaculum sp.	Hydrogenobaculum sp. 3684 ((Finished QAed))
790	clique	2505679071	Hydrogenobaculum sp.	Hydrogenobaculum sp. SHO (Final Finished Sequence)
791	clique	640963058	Actinomyces odontolyticus	Actinomyces odontolyticus ATCC 17982
791	clique	647000206	Actinomyces odontolyticus	Actinomyces odontolyticus F0309
792	clique	2510065049	unclassified	Opiritaceae sp. TAV5
792	clique	2508501067	unclassified	Opiritaceae sp. TAV1
793	clique	2551306033	Vibrio breoganii	Vibrio breoganii ZF-55
793	clique	2551306123	Vibrio breoganii	Vibrio breoganii 1C10
793	clique	2551306037	Vibrio breoganii	Vibrio breoganii ZF-29
794	clique	2515154129	Salinispora pacifica	Salinispora pacifica CNS103
794	clique	2515154128	Salinispora pacifica	Salinispora pacifica CNT855
794	clique	2515154194	Salinispora pacifica	Salinispora pacifica CNR894
794	clique	2515154200	Salinispora pacifica	Salinispora pacifica CNT131
794	clique	2515154126	Salinispora pacifica	Salinispora pacifica CNT003
794	clique	2518645626	Salinispora pacifica	Salinispora pacifica CNY330
794	clique	2515154178	Salinispora pacifica	Salinispora pacifica CNR114
794	clique	2517287019	Salinispora pacifica	Salinispora pacifica DSM 45544
794	clique	2517572162	Salinispora pacifica	Salinispora pacifica CNT851
794	clique	2524614561	Salinispora pacifica	Salinispora pacifica CNY239
794	clique	2515154185	Salinispora pacifica	Salinispora pacifica CNT603
794	clique	2517572161	Salinispora pacifica	Salinispora pacifica CNT609

794	clique	2515154182	Salinispora pacifica	Salinispora pacifica CNT796
794	clique	2517572155	Salinispora pacifica	Salinispora pacifica CNQ768
794	clique	2515154184	Salinispora pacifica	Salinispora pacifica CNT001
794	clique	2515154202	Salinispora pacifica	Salinispora pacifica CNT084
794	clique	2518645627	Salinispora pacifica	Salinispora pacifica CNY331
795	clique	2547132227	Bacillus atrophaeus	Bacillus atrophaeus ATCC 9372-2
795	clique	2537561997	Bacillus atrophaeus	Bacillus atrophaeus C89
795	clique	2541047519	Bacillus atrophaeus	Bacillus atrophaeus UCMB-5137
795	clique	2547132257	Bacillus atrophaeus	Bacillus atrophaeus BACIO51-N
795	clique	2547132231	Bacillus atrophaeus	Bacillus atrophaeus globigii ATCC 49822-1
795	clique	649633009	Bacillus atrophaeus	Bacillus atrophaeus 1942
795	clique	2547132228	Bacillus atrophaeus	Bacillus atrophaeus 1013-2
795	clique	2547132246	Bacillus atrophaeus	Bacillus atrophaeus globigii
795	clique	2547132205	Bacillus atrophaeus	Bacillus atrophaeus ATCC 9372
795	clique	2547132226	Bacillus atrophaeus	Bacillus atrophaeus Detrick-1
795	clique	2547132262	Bacillus atrophaeus	Bacillus atrophaeus BACIO51-E
795	clique	2547132225	Bacillus atrophaeus	Bacillus atrophaeus Detrick-2
795	clique	2547132229	Bacillus atrophaeus	Bacillus atrophaeus 1013-1
795	clique	2547132222	Bacillus atrophaeus	Bacillus atrophaeus Detrick-3
795	clique	2547132230	Bacillus atrophaeus	Bacillus atrophaeus globigii ATCC 49822-2
796	clique	2509601036	Prevotella bivia	Prevotella bivia 653C, DSM 20514
796	clique	647000292	Prevotella bivia	Prevotella bivia JCVIHMP010
797	clique	2534682337	Treponema denticola	Treponema denticola F0402
797	clique	2537561889	Treponema denticola	Treponema denticola OTK
797	clique	2529292989	Treponema denticola	Treponema denticola H-22
797	clique	637000327	Treponema denticola	Treponema denticola ATCC 35405
797	clique	2529292987	Treponema denticola	Treponema denticola ASLM
797	clique	2541046989	Treponema denticola	Treponema denticola SP23
797	clique	2529292990	Treponema denticola	Treponema denticola H1-T
797	clique	2537561890	Treponema denticola	Treponema denticola ATCC 35404
797	clique	2529292988	Treponema denticola	Treponema denticola US-Trep
797	clique	2541046988	Treponema denticola	Treponema denticola SP44
797	clique	2529292986	Treponema denticola	Treponema denticola AL-2
798	clique	640963042	Streptococcus pneumoniae	Streptococcus pneumoniae SP3-B571
798	clique	648028056	Streptococcus pneumoniae	Streptococcus pneumoniae AP200
798	clique	2541047525	Streptococcus pneumoniae	Streptococcus pneumoniae 845
798	clique	2531839519	Streptococcus pneumoniae	Streptococcus pneumoniae GA44288
798	clique	2519899797	Streptococcus pneumoniae	Streptococcus pneumoniae SPAR48
798	clique	2534681670	Streptococcus pneumoniae	Streptococcus pneumoniae PCS8106
798	clique	2537562028	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0002
798	clique	2537562077	Streptococcus pneumoniae	Streptococcus pneumoniae GA54644
798	clique	648276746	Streptococcus pneumoniae	Streptococcus pneumoniae Canada MDR_19F
798	clique	2534682045	Streptococcus pneumoniae	Streptococcus pneumoniae GA11856
798	clique	2547132248	Streptococcus pneumoniae	Streptococcus pneumoniae SPN021198
798	clique	2537562233	Streptococcus pneumoniae	Streptococcus pneumoniae 2070768
798	clique	643692040	Streptococcus pneumoniae	Streptococcus pneumoniae 70585
798	clique	2531839699	Streptococcus pneumoniae	Streptococcus pneumoniae EU-NP01
798	clique	2529292795	Streptococcus pneumoniae	Streptococcus pneumoniae GA17719
798	clique	2534682122	Streptococcus pneumoniae	Streptococcus pneumoniae GA13637
798	clique	2537562225	Streptococcus pneumoniae	Streptococcus pneumoniae 2081685
798	clique	2537561918	Streptococcus pneumoniae	Streptococcus pneumoniae GA41437
798	clique	2531839220	Streptococcus pneumoniae	Streptococcus pneumoniae GA52612
798	clique	2531839518	Streptococcus pneumoniae	Streptococcus pneumoniae GA44378
798	clique	2534681966	Streptococcus pneumoniae	Streptococcus pneumoniae GA47373
798	clique	2531839227	Streptococcus pneumoniae	Streptococcus pneumoniae GA52306
798	clique	650377976	Streptococcus pneumoniae	Streptococcus pneumoniae INV104B (ST 227, serotype 1)
798	clique	2531839213	Streptococcus pneumoniae	Streptococcus pneumoniae GA47688
798	clique	2537562068	Streptococcus pneumoniae	Streptococcus pneumoniae 8190-05
798	clique	641736273	Streptococcus pneumoniae	Streptococcus pneumoniae CDC0288-04
798	clique	2531839198	Streptococcus pneumoniae	Streptococcus pneumoniae GA04175
798	clique	2531839597	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0360
798	clique	2521172687	Streptococcus pneumoniae	Streptococcus pneumoniae SPNA45
798	clique	2537561810	Streptococcus pneumoniae	Streptococcus pneumoniae GA17570
798	clique	648276745	Streptococcus pneumoniae	Streptococcus pneumoniae Canada MDR_19A
798	clique	2531839688	Streptococcus pneumoniae	Streptococcus pneumoniae 2082239
798	clique	2529293115	Streptococcus pneumoniae	Streptococcus pneumoniae GA06083
798	clique	2529293126	Streptococcus pneumoniae	Streptococcus pneumoniae GA17545
798	clique	2537562129	Streptococcus pneumoniae	Streptococcus pneumoniae NP170
798	clique	2545824628	Streptococcus pneumoniae	Streptococcus pneumoniae PCS8235
798	clique	2534682047	Streptococcus pneumoniae	Streptococcus pneumoniae GA11426
798	clique	2519899810	Streptococcus pneumoniae	Streptococcus pneumoniae GA60190
798	clique	2537562229	Streptococcus pneumoniae	Streptococcus pneumoniae 2061617
798	clique	2531839512	Streptococcus pneumoniae	Streptococcus pneumoniae GA44194
798	clique	2531839595	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0446
798	clique	2541047527	Streptococcus pneumoniae	Streptococcus pneumoniae 1542
798	clique	645058718	Streptococcus pneumoniae	Streptococcus pneumoniae CCRI 1974
798	clique	2534682118	Streptococcus pneumoniae	Streptococcus pneumoniae GA14688
798	clique	2545824526	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0006
798	clique	2537561921	Streptococcus pneumoniae	Streptococcus pneumoniae GA43380
798	clique	2545824729	Streptococcus pneumoniae	Streptococcus pneumoniae MN214
798	clique	2528311136	Streptococcus pneumoniae	Streptococcus pneumoniae GA02254
798	clique	2537562230	Streptococcus pneumoniae	Streptococcus pneumoniae 2070035

798	clique	643348576	Streptococcus pneumoniae	Streptococcus pneumoniae 23F ST81, ATCC 700669
798	clique	2537562063	Streptococcus pneumoniae	Streptococcus pneumoniae 4027-06
798	clique	2531839694	Streptococcus pneumoniae	Streptococcus pneumoniae 7286-06
798	clique	2537561916	Streptococcus pneumoniae	Streptococcus pneumoniae GA41565
798	clique	641736264	Streptococcus pneumoniae	Streptococcus pneumoniae MLV-016
798	clique	2537561920	Streptococcus pneumoniae	Streptococcus pneumoniae GA43265
798	clique	2545824732	Streptococcus pneumoniae	Streptococcus pneumoniae MNZ85
798	clique	2537561768	Streptococcus pneumoniae	Streptococcus pneumoniae SV36
798	clique	640963052	Streptococcus pneumoniae	Streptococcus pneumoniae SP23-BS72
798	clique	2537561957	Streptococcus pneumoniae	Streptococcus pneumoniae GA08780
798	clique	2537562127	Streptococcus pneumoniae	Streptococcus pneumoniae NP141
798	clique	2531839415	Streptococcus pneumoniae	Streptococcus pneumoniae GA40028
798	clique	648276743	Streptococcus pneumoniae	Streptococcus pneumoniae SP9v-BS293
798	clique	2534682226	Streptococcus pneumoniae	Streptococcus pneumoniae EU-NP04
798	clique	641736204	Streptococcus pneumoniae	Streptococcus pneumoniae CDC1087-00
798	clique	2537562030	Streptococcus pneumoniae	Streptococcus pneumoniae PCS125219
798	clique	2519899812	Streptococcus pneumoniae	Streptococcus pneumoniae GA58771
798	clique	2534682041	Streptococcus pneumoniae	Streptococcus pneumoniae GA13430
798	clique	2526164645	Streptococcus pneumoniae	Streptococcus pneumoniae GA47794
798	clique	2537562061	Streptococcus pneumoniae	Streptococcus pneumoniae 6735-05
798	clique	2537562226	Streptococcus pneumoniae	Streptococcus pneumoniae 2070005
798	clique	640963048	Streptococcus pneumoniae	Streptococcus pneumoniae SP18-BS74
798	clique	2537562027	Streptococcus pneumoniae	Streptococcus pneumoniae PCS70012
798	clique	2548876512	Streptococcus pneumoniae	Streptococcus pneumoniae PT8114
798	clique	2529293199	Streptococcus pneumoniae	Streptococcus pneumoniae GA17227
798	clique	2537561608	Streptococcus pneumoniae	Streptococcus pneumoniae GA11304
798	clique	2529293121	Streptococcus pneumoniae	Streptococcus pneumoniae GA11184
798	clique	2537561573	Streptococcus pneumoniae	Streptococcus pneumoniae GA47360
798	clique	2537561803	Streptococcus pneumoniae	Streptococcus pneumoniae GA19077
798	clique	2531839340	Streptococcus pneumoniae	Streptococcus pneumoniae GA47461
798	clique	640963056	Streptococcus pneumoniae	Streptococcus pneumoniae SP6-BS73
798	clique	2519899813	Streptococcus pneumoniae	Streptococcus pneumoniae GA58981
798	clique	2534681963	Streptococcus pneumoniae	Streptococcus pneumoniae GA47179
798	clique	648276741	Streptococcus pneumoniae	Streptococcus pneumoniae BS455
798	clique	2521172731	Streptococcus pneumoniae	Streptococcus pneumoniae GA43264
798	clique	2537562125	Streptococcus pneumoniae	Streptococcus pneumoniae EU-NP05
798	clique	2531839696	Streptococcus pneumoniae	Streptococcus pneumoniae 7533-05
798	clique	2537562228	Streptococcus pneumoniae	Streptococcus pneumoniae 2070425
798	clique	2531839657	Streptococcus pneumoniae	Streptococcus pneumoniae GA13856
798	clique	2531839413	Streptococcus pneumoniae	Streptococcus pneumoniae GA40410
798	clique	2537561669	Streptococcus pneumoniae	Streptococcus pneumoniae GA49194
798	clique	2531839074	Streptococcus pneumoniae	Streptococcus pneumoniae GA18523
798	clique	2521172726	Streptococcus pneumoniae	Streptococcus pneumoniae 5787-06
798	clique	2529293200	Streptococcus pneumoniae	Streptococcus pneumoniae GA17457
798	clique	2537561914	Streptococcus pneumoniae	Streptococcus pneumoniae GA41410
798	clique	2534682056	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0164
798	clique	2531839685	Streptococcus pneumoniae	Streptococcus pneumoniae 2090008
798	clique	2519899794	Streptococcus pneumoniae	Streptococcus pneumoniae SPAR95
798	clique	641522652	Streptococcus pneumoniae	Streptococcus pneumoniae Hungary19A-6
798	clique	2531839216	Streptococcus pneumoniae	Streptococcus pneumoniae GA47562
798	clique	2531839691	Streptococcus pneumoniae	Streptococcus pneumoniae 2070108
798	clique	2537562132	Streptococcus pneumoniae	Streptococcus pneumoniae Netherlands15B-37
798	clique	2541047523	Streptococcus pneumoniae	Streptococcus pneumoniae 3051
798	clique	2529293196	Streptococcus pneumoniae	Streptococcus pneumoniae GA16531
798	clique	643692042	Streptococcus pneumoniae	Streptococcus pneumoniae P1031
798	clique	642555164	Streptococcus pneumoniae	Streptococcus pneumoniae G54 (MLST ST63)
798	clique	2531839652	Streptococcus pneumoniae	Streptococcus pneumoniae GA16242
798	clique	2531839700	Streptococcus pneumoniae	Streptococcus pneumoniae 3063-00
798	clique	2537562234	Streptococcus pneumoniae	Streptococcus pneumoniae 2071004
798	clique	650377977	Streptococcus pneumoniae	Streptococcus pneumoniae INV200 (ST 9, serotype 14)
798	clique	2521172723	Streptococcus pneumoniae	Streptococcus pneumoniae 7879-04
798	clique	2534681838	Streptococcus pneumoniae	Streptococcus pneumoniae GA02270
798	clique	2512564060	Streptococcus pneumoniae	Streptococcus pneumoniae ST556
798	clique	2531839417	Streptococcus pneumoniae	Streptococcus pneumoniae GA19923
798	clique	2519899815	Streptococcus pneumoniae	Streptococcus pneumoniae GA62331
798	clique	2540341145	Streptococcus pneumoniae	Streptococcus pneumoniae SPN034156
798	clique	649990012	Streptococcus pneumoniae	Streptococcus pneumoniae BS457
798	clique	2531839411	Streptococcus pneumoniae	Streptococcus pneumoniae GA41277
798	clique	2531839594	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0427
798	clique	2531839218	Streptococcus pneumoniae	Streptococcus pneumoniae GA47760
798	clique	2529293202	Streptococcus pneumoniae	Streptococcus pneumoniae GA17484
798	clique	2531839698	Streptococcus pneumoniae	Streptococcus pneumoniae EU-NP02
798	clique	2534682058	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0197
798	clique	2540341132	Streptococcus pneumoniae	Streptococcus pneumoniae gamPNI0373
798	clique	2531839229	Streptococcus pneumoniae	Streptococcus pneumoniae GA49447
798	clique	2519899796	Streptococcus pneumoniae	Streptococcus pneumoniae SPAR27
798	clique	2547132123	Streptococcus pneumoniae	Streptococcus pneumoniae R6M2-PG
798	clique	2531839230	Streptococcus pneumoniae	Streptococcus pneumoniae GA49138
798	clique	2534681927	Streptococcus pneumoniae	Streptococcus pneumoniae GA04375
798	clique	2531839516	Streptococcus pneumoniae	Streptococcus pneumoniae GA47033
798	clique	2537562076	Streptococcus pneumoniae	Streptococcus pneumoniae GA47439d
798	clique	2531839211	Streptococcus pneumoniae	Streptococcus pneumoniae GA47522

798	clique	2531839212	Streptococcus pneumoniae	Streptococcus pneumoniae GA47502
798	clique	2529293125	Streptococcus unclassified	Streptococcus pneumoniae PNI0212
798	clique	2537561956	Streptococcus pneumoniae	Streptococcus pneumoniae GA07643
798	clique	2531839693	Streptococcus pneumoniae	Streptococcus pneumoniae 2070531
798	clique	2531839689	Streptococcus pneumoniae	Streptococcus pneumoniae 2082170
798	clique	2537561917	Streptococcus pneumoniae	Streptococcus pneumoniae GA41688
798	clique	2531839520	Streptococcus pneumoniae	Streptococcus pneumoniae GA44386
798	clique	2531839217	Streptococcus pneumoniae	Streptococcus pneumoniae GA47778
798	clique	2534681841	Streptococcus pneumoniae	Streptococcus pneumoniae GA13499
798	clique	2529292796	Streptococcus pneumoniae	Streptococcus pneumoniae GA17971
798	clique	2531839221	Streptococcus pneumoniae	Streptococcus pneumoniae GA49542
798	clique	648276744	Streptococcus pneumoniae	Streptococcus pneumoniae SP14-BS292
798	clique	2531839598	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0076
798	clique	2534682125	Streptococcus pneumoniae	Streptococcus pneumoniae GA13494
798	clique	641736274	Streptococcus pneumoniae	Streptococcus pneumoniae CDC3059-06
798	clique	2531839418	Streptococcus pneumoniae	Streptococcus pneumoniae GA19690
798	clique	638341207	Streptococcus pneumoniae	Streptococcus pneumoniae TIGR4
798	clique	2537562211	Streptococcus pneumoniae	Streptococcus pneumoniae GA14373
798	clique	2537562064	Streptococcus pneumoniae	Streptococcus pneumoniae 6901-05
798	clique	2537562029	Streptococcus pneumoniae	Streptococcus pneumoniae PCS81218
798	clique	2534682117	Streptococcus pneumoniae	Streptococcus pneumoniae GA16121
798	clique	2531839599	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0010
798	clique	2545824728	Streptococcus pneumoniae	Streptococcus pneumoniae MNZ11b
798	clique	2534682044	Streptococcus pneumoniae	Streptococcus pneumoniae GA11663
798	clique	2547132249	Streptococcus pneumoniae	Streptococcus pneumoniae SPN1041
798	clique	2541047526	Streptococcus pneumoniae	Streptococcus pneumoniae 1488
798	clique	2537562232	Streptococcus pneumoniae	Streptococcus pneumoniae 2081074
798	clique	2548876716	Streptococcus pneumoniae	Streptococcus pneumoniae 1974M1-LZD
798	clique	2519899823	Streptococcus pneumoniae	Streptococcus pneumoniae GA58581
798	clique	645058707	Streptococcus pneumoniae	Streptococcus pneumoniae CCRI 1974M2
798	clique	2534681929	Streptococcus pneumoniae	Streptococcus pneumoniae GA05245
798	clique	2531839568	Streptococcus pneumoniae	Streptococcus pneumoniae GA02506
798	clique	2531839687	Streptococcus pneumoniae	Streptococcus pneumoniae 2080076
798	clique	2537561922	Streptococcus pneumoniae	Streptococcus pneumoniae GA43257
798	clique	2519899830	Streptococcus pneumoniae	Streptococcus pneumoniae GA56113
798	clique	2531839414	Streptococcus pneumoniae	Streptococcus pneumoniae GA40183
798	clique	640963051	Streptococcus pneumoniae	Streptococcus pneumoniae SP19-BS75
798	clique	648276742	Streptococcus pneumoniae	Streptococcus pneumoniae BS458
798	clique	2531839695	Streptococcus pneumoniae	Streptococcus pneumoniae 4075-00
798	clique	2531839601	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0153
798	clique	2531839513	Streptococcus pneumoniae	Streptococcus pneumoniae GA44128
798	clique	641736272	Streptococcus pneumoniae	Streptococcus pneumoniae SP195
798	clique	2531839596	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0009
798	clique	2548876510	Streptococcus pneumoniae	Streptococcus pneumoniae 07AR0125
798	clique	2531839214	Streptococcus pneumoniae	Streptococcus pneumoniae GA47628
798	clique	2537562067	Streptococcus pneumoniae	Streptococcus pneumoniae 5185-06
798	clique	2537562031	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0007
798	clique	2531839199	Streptococcus pneumoniae	Streptococcus pneumoniae GA02714
798	clique	2537562128	Streptococcus pneumoniae	Streptococcus pneumoniae NP070
798	clique	2537561501	Streptococcus pneumoniae	Streptococcus pneumoniae 459-5
798	clique	2519899811	Streptococcus pneumoniae	Streptococcus pneumoniae GA60080
798	clique	2528311140	Streptococcus pneumoniae	Streptococcus pneumoniae GA05578
798	clique	2531839569	Streptococcus pneumoniae	Streptococcus pneumoniae GA04216
798	clique	2547132413	Streptococcus pneumoniae	Streptococcus pneumoniae BR1064
798	clique	2534681965	Streptococcus pneumoniae	Streptococcus pneumoniae GA47368
798	clique	2534682268	Streptococcus pneumoniae	Streptococcus pneumoniae GA47751
798	clique	2537561572	Streptococcus pneumoniae	Streptococcus pneumoniae GA47283
798	clique	2545824731	Streptococcus pneumoniae	Streptococcus pneumoniae MNZ41
798	clique	650377978	Streptococcus pneumoniae	Streptococcus pneumoniae OXC141 (ST 180, serotype 3)
798	clique	2534681671	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0008
798	clique	648276740	Streptococcus pneumoniae	Streptococcus pneumoniae BS397
798	clique	2537562104	Streptococcus pneumoniae	Streptococcus pneumoniae England14-9
798	clique	640963055	Streptococcus pneumoniae	Streptococcus pneumoniae SP11-BS70
798	clique	2534681964	Streptococcus pneumoniae	Streptococcus pneumoniae GA47210
798	clique	2531839593	Streptococcus pneumoniae	Streptococcus pneumoniae 2061376
798	clique	2537562126	Streptococcus pneumoniae	Streptococcus pneumoniae NP112
798	clique	2529293117	Streptococcus pneumoniae	Streptococcus pneumoniae GA07914
798	clique	2531839412	Streptococcus pneumoniae	Streptococcus pneumoniae GA40563
798	clique	2529293198	Streptococcus pneumoniae	Streptococcus pneumoniae GA17301
798	clique	2537561532	Streptococcus pneumoniae	Streptococcus pneumoniae GA47901
798	clique	2537561913	Streptococcus pneumoniae	Streptococcus pneumoniae GA41317
798	clique	2529293201	Streptococcus pneumoniae	Streptococcus pneumoniae GA17371
798	clique	648028055	Streptococcus pneumoniae	Streptococcus pneumoniae 670-6B
798	clique	2545824730	Streptococcus pneumoniae	Streptococcus pneumoniae MNZ37
798	clique	2541047522	Streptococcus pneumoniae	Streptococcus pneumoniae 357
798	clique	641522651	Streptococcus pneumoniae	Streptococcus pneumoniae CGSP14
798	clique	2531839686	Streptococcus pneumoniae	Streptococcus pneumoniae 2080913
798	clique	2531839515	Streptococcus pneumoniae	Streptococcus pneumoniae GA44452
798	clique	2534682057	Streptococcus pneumoniae	Streptococcus pneumoniae PNI0159
798	clique	2531839697	Streptococcus pneumoniae	Streptococcus pneumoniae 5652-06
798	clique	2534682124	Streptococcus pneumoniae	Streptococcus pneumoniae GA13455
798	clique	2537561809	Streptococcus pneumoniae	Streptococcus pneumoniae GA17328

798	clique	2537561769	Streptococcus pneumoniae	Streptococcus pneumoniae SV35
798	clique	643692043	Streptococcus pneumoniae	Streptococcus pneumoniae Taiwan19F-14
798	clique	2537561574	Streptococcus pneumoniae	Streptococcus pneumoniae GA47388
798	clique	2537562133	Streptococcus pneumoniae	Streptococcus pneumoniae EU-NP03
798	clique	2537561545	Streptococcus pneumoniae	Streptococcus pneumoniae 6963-05
798	clique	2534682040	Streptococcus pneumoniae	Streptococcus pneumoniae GA13338
798	clique	2531839085	Streptococcus pneumoniae	Streptococcus pneumoniae GA41538
798	clique	2519899828	Streptococcus pneumoniae	Streptococcus pneumoniae GA54354
798	clique	2531839514	Streptococcus pneumoniae	Streptococcus pneumoniae GA44500
798	clique	640963054	Streptococcus pneumoniae	Streptococcus pneumoniae SP9-BS68
798	clique	2537562227	Streptococcus pneumoniae	Streptococcus pneumoniae 2070109
798	clique	2519899814	Streptococcus pneumoniae	Streptococcus pneumoniae GA60132
798	clique	2548876511	Streptococcus pneumoniae	Streptococcus pneumoniae ND6012
798	clique	2537561804	Streptococcus pneumoniae	Streptococcus pneumoniae GA19101
798	clique	637000289	Streptococcus pneumoniae	Streptococcus pneumoniae R6
798	clique	2531839410	Streptococcus pneumoniae	Streptococcus pneumoniae GA41301
798	clique	2537561571	Streptococcus pneumoniae	Streptococcus pneumoniae GA47281
798	clique	639633061	Streptococcus pneumoniae	Streptococcus pneumoniae D39
798	clique	2519899838	Streptococcus pneumoniae	Streptococcus pneumoniae GA56348
798	clique	2540341144	Streptococcus pneumoniae	Streptococcus pneumoniae SPN034183
798	clique	2537561954	Streptococcus pneumoniae	Streptococcus pneumoniae GA07228
798	clique	2531839517	Streptococcus pneumoniae	Streptococcus pneumoniae GA44511
798	clique	2529292794	Streptococcus pneumoniae	Streptococcus pneumoniae GA19451
798	clique	2547132250	Streptococcus pneumoniae	Streptococcus pneumoniae SPN7465
798	clique	2537562206	Streptococcus pneumoniae	Streptococcus pneumoniae GA14798
798	clique	2529292799	Streptococcus pneumoniae	Streptococcus pneumoniae GA18068
798	clique	2534682042	Streptococcus pneumoniae	Streptococcus pneumoniae GA13224
798	clique	2519899795	Streptococcus pneumoniae	Streptococcus pneumoniae SPAR55
798	clique	2531839692	Streptococcus pneumoniae	Streptococcus pneumoniae 2071247
798	clique	2531839215	Streptococcus pneumoniae	Streptococcus pneumoniae GA47597
798	clique	648028057	Streptococcus pneumoniae	Streptococcus pneumoniae TCH8431/19A
798	clique	2537562131	Streptococcus pneumoniae	Streptococcus pneumoniae NorthCarolina6A-23
798	clique	2531839600	Streptococcus pneumoniae	Streptococcus pneumoniae PN10199
798	clique	643692041	Streptococcus pneumoniae	Streptococcus pneumoniae JJA
798	clique	2537561737	Streptococcus pneumoniae	Streptococcus pneumoniae GA47976
798	clique	2541047524	Streptococcus pneumoniae	Streptococcus pneumoniae 801
798	clique	2529293197	Streptococcus pneumoniae	Streptococcus pneumoniae GA16833
798	clique	2537562130	Streptococcus pneumoniae	Streptococcus pneumoniae NP127
798	clique	2541047594	Streptococcus pneumoniae	Streptococcus pneumoniae 2009
798	clique	2547132256	Streptococcus pneumoniae	Streptococcus pneumoniae SPN061370
798	clique	2534681930	Streptococcus pneumoniae	Streptococcus pneumoniae GA05248
798	clique	2537562026	Streptococcus pneumoniae	Streptococcus pneumoniae PCS8203
798	clique	2528311139	Streptococcus pneumoniae	Streptococcus pneumoniae GA04672
798	clique	2531839416	Streptococcus pneumoniae	Streptococcus pneumoniae GA19998
798	clique	641736183	Streptococcus pneumoniae	Streptococcus pneumoniae CDC1873-00
798	clique	2547132247	Streptococcus pneumoniae	Streptococcus pneumoniae SPN072838
798	clique	2531839566	Streptococcus pneumoniae	Streptococcus pneumoniae GA08825
798	clique	2519899816	Streptococcus pneumoniae	Streptococcus pneumoniae GA62681
798	clique	637000290	Streptococcus pneumoniae	Streptococcus pneumoniae TIGR4
799	clique	2517093025	Mycoplasma gallisepticum	Mycoplasma gallisepticum NC08_2008.031-4-3P
799	clique	2531839059	Mycoplasma gallisepticum	Mycoplasma gallisepticum S6
799	clique	2523533588	Mycoplasma gallisepticum	Mycoplasma gallisepticum ATCC 19610
799	clique	2518645563	Mycoplasma gallisepticum	Mycoplasma gallisepticum NY01_2001.047-5-1P
799	clique	2517093024	Mycoplasma gallisepticum	Mycoplasma gallisepticum CA06_2006.052-5-2P
799	clique	646862334	Mycoplasma gallisepticum	Mycoplasma gallisepticum R(high)
799	clique	2518645561	Mycoplasma gallisepticum	Mycoplasma gallisepticum VA94_7994-1-7P
799	clique	2518645544	Mycoplasma gallisepticum	Mycoplasma gallisepticum NC06_2006.080-5-2P
799	clique	646862333	Mycoplasma gallisepticum	Mycoplasma gallisepticum F
799	clique	2517093027	Mycoplasma gallisepticum	Mycoplasma gallisepticum
799	clique	637000175	Mycoplasma gallisepticum	Mycoplasma gallisepticum R(low)
799	clique	2518645562	Mycoplasma gallisepticum	Mycoplasma gallisepticum NC95_13295-2-2P
799	clique	2518645557	Mycoplasma gallisepticum	Mycoplasma gallisepticum WI01_2001.043-13-2P
800	clique	2551306234	Streptococcus suis	Streptococcus suis YS34
800	clique	2551306238	Streptococcus suis	Streptococcus suis YS17-2
801	clique	646564555	Natrialba magadii	Natrialba magadii ATCC 43099
801	clique	2554235492	Natrialba magadii	Natrialba magadii ATCC 43099
802	clique	2554235484	Natrinema gari	Natrinema gari JCM 14663
802	clique	2517093029	Natrinema sp.	Natrinema sp. J7-2
803	clique	649990001	Streptococcus anginosus	Streptococcus anginosus 1_2_62CV
803	clique	2554235323	Streptococcus anginosus	Streptococcus anginosus C1051
804	clique	2511231129	Vibrio sp.	Vibrio sp. EJY3
804	clique	2554235216	Vibrio natriegens	Vibrio natriegens RF-FC 7
805	clique	2554235499	Haloferax prahovense	Haloferax prahovense DSM 18310
805	clique	2554235501	Haloferax gibbonsii	Haloferax gibbonsii ATCC 33959
806	clique	2551306407	Aeromonas salmonicida	Aeromonas salmonicida achromogenes A503
806	clique	2531839300	Aeromonas salmonicida	Aeromonas salmonicida salmonicida 01-B526
806	clique	2545824637	Aeromonas salmonicida	Aeromonas salmonicida pectinolytica 34mel
806	clique	641522605	Aeromonas salmonicida	Aeromonas salmonicida salmonicida A449
807	clique	2547132164	Bacillus cereus	Bacillus cereus F
807	clique	2540341069	Bacillus cereus	Bacillus cereus FRI-35
807	clique	637000016	Bacillus cereus	Bacillus cereus ATCC 10987
808	clique	2551306470	Xanthomonas sp.	Xanthomonas sp. SHU166

808	clique	2551306472	Xanthomonas sp.	Xanthomonas sp. SHU199
808	clique	2551306476	Xanthomonas sp.	Xanthomonas sp. SHU308
809	clique	638341014	Bacillus sp.	Bacillus sp. NRRL B-14911
809	clique	2554235446	Bacillus sp.	Bacillus infantis NRRL B-14911
810	clique	2547132076	Lactococcus garvieae	Lactococcus garvieae 8831
810	clique	2547132129	Lactococcus garvieae	Lactococcus garvieae TB25
810	clique	2547132083	Lactococcus garvieae	Lactococcus garvieae 21881
811	clique	637000227	Psychrobacter cryohalolentis	Psychrobacter cryohalolentis K5
811	clique	2554235460	Psychrobacter sp.	Psychrobacter sp. G
812	clique	2524023155	Lactobacillus rossiae	Lactobacillus rossiae DSM 15814
812	clique	2548876843	Lactobacillus rossiae	Lactobacillus rossiae DSM 15814
813	clique	639279304	Bacillus licheniformis	Bacillus licheniformis DSM 13 Novozymes
813	clique	2519899833	Bacillus licheniformis	Bacillus licheniformis WX-02
813	clique	2551306495	Bacillus licheniformis	Bacillus licheniformis CGMCC 3963
813	clique	649989910	Bacillus sp.	Bacillus sp. BT1B_CT2
813	clique	2548877020	Bacillus licheniformis	Bacillus licheniformis 5-2-D
813	clique	639279303	Bacillus licheniformis	Bacillus licheniformis DSM 13 Goettingen
813	clique	2548877019	Bacillus licheniformis	Bacillus licheniformis 10-1-A
814	clique	641522654	Synechococcus sp.	Synechococcus sp. PCC 7002
814	clique	2504643002	Synechococcus sp.	Synechococcus sp. PCC 8807
814	clique	2504643001	Synechococcus sp.	Synechococcus sp. PCC 7117
814	clique	2504643003	Synechococcus sp.	Synechococcus sp. PCC 73109
815	clique	2510461000	Saccharomonospora paurometabolica	Saccharomonospora paurometabolica YIM 90007
815	clique	2517287016	Actinopolyspora iraqiensis	Actinopolyspora iraqiensis IQ-H1
816	clique	2548876977	Rhodococcus sp.	Rhodococcus sp. P14
816	clique	2554235023	Rhodococcus ruber	Rhodococcus ruber Chol-4
817	clique-group	2505679077	Thermus thermophilus	Thermus thermophilus SG0.5JP17-16
817	clique-group	2508501108	Thermus thermophilus	Thermus thermophilus JL-18
817	clique-group	637000322	Thermus thermophilus	Thermus thermophilus HB27
817	clique-group	637000323	Thermus thermophilus	Thermus thermophilus HB8
817	clique-group	2513237279	Thermus sp.	Thermus sp. RLM
817	clique-group	2554235155	Thermus thermophilus	Thermus thermophilus ATCC 33923
818	clique	2554235324	Streptococcus anginosus	Streptococcus anginosus C238
818	clique	2554235452	Streptococcus anginosus	Streptococcus anginosus whiley MAS624
819	clique	2554235472	Geobacillus thermodenitrificans	Geobacillus thermodenitrificans DSM 465
819	clique	642791603	Geobacillus sp.	Geobacillus sp. G11MC16
819	clique	640069312	Geobacillus thermodenitrificans	Geobacillus thermodenitrificans NG80-2
820	clique	2541047483	Xanthomonas translucens	Xanthomonas translucens DAR61454
820	clique	2529293066	Xanthomonas translucens	Xanthomonas translucens pv. translucens DSM 18974
820	clique	2534682050	Xanthomonas translucens	Xanthomonas translucens pv. graminis ART-Xtg29
821	clique	2541048002	Actinomyces johnsonii	Actinomyces johnsonii F0542
821	clique	2513237386	Actinomyces sp.	Actinomyces sp. F0330
821	clique	2541047505	Actinomyces johnsonii	Actinomyces johnsonii F0510
822	clique	2548876913	Ochrobactrum anthropi	Ochrobactrum anthropi CTS-325
822	clique	640753038	Ochrobactrum anthropi	Ochrobactrum anthropi ATCC 49188
822	clique	2551306115	Ochrobactrum anthropi	Ochrobactrum anthropi 60a
823	clique	647533178	Lactobacillus fermentum	Lactobacillus fermentum 28-3-CHN
823	clique	643886061	Lactobacillus fermentum	Lactobacillus fermentum ATCC 14931
823	clique	2554235317	Lactobacillus fermentum	Lactobacillus fermentum F6
823	clique	2554235207	Lactobacillus fermentum	Lactobacillus fermentum FTDC8312
823	clique	641522633	Lactobacillus fermentum	Lactobacillus fermentum IFO 3956
824	clique	2517287015	Sphingomonas melonis	Sphingomonas melonis DAPP-PG 224
824	clique	2517093015	Sphingomonas melonis	Sphingomonas melonis FR1
824	clique	2516653084	Sphingomonas melonis	Sphingomonas melonis C3
825	clique	2537561878	Proteus mirabilis	Proteus mirabilis WGLW6
825	clique	642555150	Proteus mirabilis	Proteus mirabilis HI4320
825	clique	2551306464	Proteus mirabilis	Proteus mirabilis C05028
825	clique	2554235134	Proteus mirabilis	Proteus mirabilis PR03
825	clique	643886024	Proteus mirabilis	Proteus mirabilis ATCC 29906
825	clique	2537561873	Proteus mirabilis	Proteus mirabilis WGLW4
825	clique	2545824633	Proteus mirabilis	Proteus mirabilis BB2000
826	clique-group	2537561629	Veillonella sp.	Veillonella sp. ACP1
826	clique-group	2541047010	Veillonella sp.	Veillonella sp. HPA0037
826	clique-group	2529292891	Veillonella atypica	Veillonella atypica KON, ATCC 17744
826	clique-group	648276753	Veillonella atypica	Veillonella atypica ACS-049-V-Sch6
826	clique-group	648276754	Veillonella atypica	Veillonella atypica ACS-134-V-Col7a
827	clique	2513237089	Ensifer medicae	Ensifer medicae Di28
827	clique	640753051	Ensifer medicae	Ensifer medicae WSM419
827	clique	2512875026	Ensifer medicae	Ensifer medicae WSM1115
827	clique	2513237156	Ensifer medicae	Ensifer medicae WSM1369
827	clique	2517487022	Ensifer medicae	Ensifer medicae WSM4191
827	clique	2513237160	Ensifer medicae	Ensifer medicae WSM244
828	clique	2501846311	Ornithobacterium rhinotracheale	Ornithobacterium rhinotracheale
828	clique	2509601001	Ornithobacterium rhinotracheale	Ornithobacterium rhinotracheale DSM 15997
829	clique-group	645058829	Anaplasma marginale	Anaplasma marginale Mississippi
829	clique-group	2547132091	Anaplasma marginale	Anaplasma marginale St Maries
829	clique-group	2547132092	Anaplasma marginale	Anaplasma marginale Oklahoma
829	clique-group	643692003	Anaplasma marginale	Anaplasma marginale Florida
829	clique-group	2547132089	Anaplasma marginale	Anaplasma marginale Florida
829	clique-group	2547132093	Anaplasma marginale	Anaplasma marginale South Idaho
829	clique-group	645058830	Anaplasma marginale	Anaplasma marginale Virginia
829	clique-group	2547132090	Anaplasma marginale	Anaplasma marginale Florida Relapse

829	clique-group	2547132094	Anaplasma marginale	Anaplasma marginale Washington Okanogan
829	clique-group	645058766	Anaplasma marginale	Anaplasma marginale Puerto Rico
829	clique-group	637000008	Anaplasma marginale	Anaplasma marginale St. Maries
830	clique	2534681714	Anaerostipes hadrus	Anaerostipes hadrus comb. nov. VPI 82-52, DSM 3319
830	clique	650377990	unclassified	Clostridiales sp. SSC/2
830	clique	641736270	Clostridium sp.	Clostridium sp. SS2/1
830	clique	649989957	unclassified	Lachnospiraceae bacterium sp. 5_1_63FAA
831	clique-group	2547132096	Listonella anguillarum	Listonella anguillarum 96F
831	clique-group	2551306061	Vibrio ordalii	Vibrio ordalii FF-93
831	clique-group	2551306065	Vibrio ordalii	Vibrio ordalii FS-144
831	clique-group	2554235462	Vibrio anguillarum	Listonella anguillarum M3
831	clique-group	2551306060	Vibrio ordalii	Vibrio ordalii FS-238
831	clique-group	650716104	Vibrio anguillarum	Vibrio anguillarum 775, ATCC 68554
831	clique-group	2551306068	Vibrio ordalii	Vibrio ordalii FF-167
831	clique-group	2513237346	Vibrio ordalii	Vibrio ordalii Schiewe DF3K, ATCC 33509
831	clique-group	2551306059	Vibrio ordalii	Vibrio ordalii 12B09
831	clique-group	2547132097	Listonella anguillarum	Listonella anguillarum RV22
832	clique-group	2529292813	Borrelia burgdorferi	Borrelia burgdorferi CA8
832	clique-group	642791625	Borrelia burgdorferi	Borrelia burgdorferi CA-11.2a
832	clique-group	642791627	Borrelia burgdorferi	Borrelia burgdorferi WI91-23
832	clique-group	642791629	Borrelia burgdorferi	Borrelia burgdorferi 80a
832	clique-group	642791624	Borrelia burgdorferi	Borrelia burgdorferi SV1
832	clique-group	641736266	Borrelia burgdorferi	Borrelia burgdorferi 72a
832	clique-group	641736178	Borrelia burgdorferi	Borrelia burgdorferi Bol26
832	clique-group	650377913	Borrelia burgdorferi	Borrelia burgdorferi JD1
832	clique-group	642791611	Borrelia burgdorferi	Borrelia burgdorferi 64b
832	clique-group	637000036	Borrelia burgdorferi	Borrelia burgdorferi B31
832	clique-group	2554235443	Borrelia sp.	Borrelia burgdorferi CA382
832	clique-group	642791626	Borrelia burgdorferi	Borrelia burgdorferi 29805
832	clique-group	641736177	Borrelia burgdorferi	Borrelia burgdorferi 156a
832	clique-group	641736265	Borrelia burgdorferi	Borrelia burgdorferi 118a
832	clique-group	641736267	Borrelia burgdorferi	Borrelia burgdorferi 94a
832	clique-group	650377914	Borrelia burgdorferi	Borrelia burgdorferi N40
832	clique-group	643348517	Borrelia burgdorferi	Borrelia burgdorferi Z57
833	clique	2515154090	Streptococcus anginosus	Streptococcus anginosus DSM 20563
833	clique	651324100	Streptococcus anginosus	Streptococcus anginosus SK52
834	clique	2513020029	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-P32 (Illumina Draft assembly with Velvet)
834	clique	2515154067	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-H492
834	clique	648861000	Bacteroides sp.	Bacteroides sp. 1_1_14
834	clique	2515154063	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-H207
834	clique	2515154066	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-H463
834	clique	637000026	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron VPI-5482
834	clique	2513020028	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-C523 (Illumina Draft assembly with Velvet)
834	clique	2514885004	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-G288
834	clique	2513020032	Bacteroides thetaiotaomicron	Bacteroides thetaiotaomicron NLAE-zl-P699
834	clique	646206272	Bacteroides sp.	Bacteroides sp. 1_1_6
835	clique	641522656	Thermoanaerobacter sp.	Thermoanaerobacter sp. X514
835	clique	645058760	Thermoanaerobacter sp.	Thermoanaerobacter sp. X561
835	clique	649633102	Thermoanaerobacter brockii	Thermoanaerobacter brockii finnii Ako-1, DSM 3389
835	clique	641522655	Thermoanaerobacter pseudethanolicus	Thermoanaerobacter pseudethanolicus 39E, ATCC 33223
835	clique	645058764	Thermoanaerobacter ethanolicus	Thermoanaerobacter ethanolicus CCSD1
835	clique	648028059	Thermoanaerobacter sp.	Thermoanaerobacter sp. X513
836	clique	2541047085	Azotobacter vinelandii	Azotobacter vinelandii CA6
836	clique	643692004	Azotobacter vinelandii	Azotobacter vinelandii DJ, ATCC BAA-1303
836	clique	2541047084	Azotobacter vinelandii	Azotobacter vinelandii CA
837	clique	2554235026	Nodularia spumigena	Nodularia spumigena CCY9414
837	clique	639857037	Nodularia spumigena	Nodularia spumigena CCY9414
838	clique	2517572108	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ3
838	clique	2517572111	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ10
838	clique	2522125138	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALD1
839	clique	2531839219	Halalkalicoccus jeotgali	Halalkalicoccus jeotgali B3, DSM 18796
839	clique	2528311097	Halalkalicoccus jeotgali	Halalkalicoccus jeotgali B3, DSM 18796
839	clique	648028029	Halalkalicoccus jeotgali	Halalkalicoccus jeotgali B3, DSM 18796
840	clique	2554235200	Serratia marcescens	Serratia marcescens AB42556419-isolate1
840	clique	2554235198	Serratia marcescens	Serratia marcescens MC459
840	clique	2554235194	Serratia marcescens	Serratia marcescens MC460
840	clique	2554235196	Serratia marcescens	Serratia marcescens MC6001
840	clique	2554235197	Serratia marcescens	Serratia marcescens MC6000
840	clique	2554235201	Serratia marcescens	Serratia marcescens MC620
840	clique	2554235199	Serratia marcescens	Serratia marcescens MC458
841	clique	647000291	Photobacterium damsela	Photobacterium damsela damsela CIP 102761
841	clique	2547132163	Photobacterium damsela	Photobacterium damsela piscidica D121
842	clique	2526164714	Bartonella vinsonii	Bartonella vinsonii berkoffii Winnie
842	clique	2529293193	Bartonella vinsonii	Bartonella vinsonii berkoffii Tweed
842	clique	2545555862	Bartonella vinsonii	Bartonella vinsonii berkoffii ATCC 51672
843	clique	647000332	Vibrio alginolyticus	Vibrio alginolyticus 40B
843	clique	2551306406	Vibrio sp.	Vibrio sp. 7121
843	clique	638341222	Vibrio alginolyticus	Vibrio alginolyticus 12G01
844	clique	651324008	Agrobacterium sp.	Agrobacterium sp. ATCC 31749
844	clique	639279302	Agrobacterium tumefaciens	Agrobacterium tumefaciens C58-UWash
844	clique	639279301	Agrobacterium tumefaciens	Agrobacterium tumefaciens C58-UWash
845	clique	2540341205	Pediococcus acidilactici	Pediococcus acidilactici AGR20

845	clique	647533194	Pediococcus acidilactici	Pediococcus acidilactici 7_4
845	clique	2534682225	Pediococcus lolii	Pediococcus lolii NGRI 0510Q
845	clique	2519899786	Pediococcus acidilactici	Pediococcus acidilactici MA18/5M
845	clique	649989981	Pediococcus acidilactici	Pediococcus acidilactici DSM 20284
846	clique	643886120	Enterococcus faecium	Enterococcus faecium TX1330
846	clique	2551306455	Enterococcus faecium	Enterococcus faecium LCT-EF258
846	clique	2548877026	Enterococcus faecium	Enterococcus faecium LCT-EF90
846	clique	2531839108	Enterococcus faecium	Enterococcus faecium TX1337RF
846	clique	2551306458	Enterococcus faecium	Enterococcus faecium LCT-EF20
846	clique	2541047550	Enterococcus faecium	Enterococcus faecium SD2A-2
846	clique	647533146	Enterococcus faecium	Enterococcus faecium 1,141,733
846	clique	647533153	Enterococcus faecium	Enterococcus faecium Com12
846	clique	2531839113	Enterococcus faecium	Enterococcus faecium 505
846	clique	647000247	Enterococcus faecium	Enterococcus faecium E980
846	clique	647533154	Enterococcus faecium	Enterococcus faecium Com15
846	clique	647000238	Enterococcus faecium	Enterococcus faecium PC4.1
847	clique	2513237332	unclassified	Erysipelotrichaceae bacterium sp. 21_3
847	clique	2541047402	Clostridium sp.	Clostridium difficile P28
847	clique	2534682210	Clostridium innocuum	Clostridium innocuum 2959
847	clique	2513237345	unclassified	Erysipelotrichaceae sp. 2_2_44A
847	clique	2531839268	unclassified	Erysipelotrichaceae bacterium sp. 6_1_45
847	clique	649989921	Clostridium sp.	Clostridium sp. HGF2
848	clique	643886109	Leuconostoc mesenteroides	Leuconostoc mesenteroides cremoris ATCC 19254
848	clique	2511231143	Leuconostoc mesenteroides	Leuconostoc mesenteroides mesenteroides J18
848	clique	639633034	Leuconostoc mesenteroides	Leuconostoc mesenteroides mesenteroides ATCC 8293
849	clique	2534682205	Clostridium clostridioforme	Clostridium clostridioforme CM201
849	clique	2531839014	Clostridium clostridioforme	Clostridium clostridioforme 90A1
849	clique	2534682207	Clostridium clostridioforme	Clostridium clostridioforme 90A8
849	clique	2513237315	Clostridium clostridioforme	Clostridium clostridioforme 2_1_49FAA
849	clique	2534682206	Clostridium clostridioforme	Clostridium clostridioforme 90B1
849	clique	2531839016	Clostridium clostridioforme	Clostridium clostridioforme 90A4
849	clique	2531839015	Clostridium clostridioforme	Clostridium clostridioforme 90A3
849	clique	2531839007	Clostridium clostridioforme	Clostridium clostridioforme 90A6
850	clique	646311912	Blattabacterium sp.	Blattabacterium sp. BPLAN
850	clique	2540341112	Blattabacterium sp.	Blattabacterium sp. (Blatta orientalis) Tarazona
851	clique	641736144	Clostridium butyricum	Clostridium butyricum 5521
851	clique	2554235109	Clostridium butyricum	Clostridium butyricum DSM 10702
851	clique	2524614705	Clostridium butyricum	Clostridium butyricum AGR2140
851	clique	645058703	Clostridium butyricum	Clostridium butyricum E4, BoNT E BL5262
851	clique	2545824675	Clostridium butyricum	Clostridium butyricum DKU-01
851	clique	2531839013	Clostridium butyricum	Clostridium butyricum 60E.3
852	clique	2511231214	Bifidobacterium animalis	Bifidobacterium animalis lactis BLC1
852	clique	644736330	Bifidobacterium animalis	Bifidobacterium animalis lactis DSM 10140
852	clique	644736329	Bifidobacterium animalis	Bifidobacterium animalis lactis BI-04, ATCC SD5219
852	clique	2531839190	Bifidobacterium animalis	Bifidobacterium animalis animalis lactis BS 01
852	clique	646862309	Bifidobacterium animalis	Bifidobacterium animalis lactis V9
852	clique	641736235	Bifidobacterium animalis	Bifidobacterium animalis lactis HN019
852	clique	651053004	Bifidobacterium animalis	Bifidobacterium animalis lactis CNCM I-2494
852	clique	2518645551	Bifidobacterium animalis	Bifidobacterium animalis lactis B420
852	clique	2540341089	Bifidobacterium animalis	Bifidobacterium animalis lactis Bi-07
852	clique	643348515	Bifidobacterium animalis	Bifidobacterium animalis lactis AD011
852	clique	2554235433	Bifidobacterium animalis	Bifidobacterium animalis lactis B12
852	clique	2554235355	Bifidobacterium animalis	Bifidobacterium animalis lactis ATCC 27673
852	clique	646862308	Bifidobacterium animalis	Bifidobacterium animalis lactis BB-12
853	clique	2513237348	Eubacterium sp.	Eubacterium sp. 3_1_31
853	clique	647533157	unclassified	Erysipelotrichaceae bacterium 5_2_54FAA
854	clique	2517572110	Thioalkalivibrio sp.	Thioalkalivibrio sp. AU7
854	clique	2517572109	Thioalkalivibrio sp.	Thioalkalivibrio sp. AU6
855	clique	2548876501	Helicobacter pylori	Helicobacter pylori NQ392
855	clique	2547132408	Helicobacter pylori	Helicobacter pylori NQ1707
855	clique	2548876502	Helicobacter pylori	Helicobacter pylori NQ4060
856	clique-group	2516143039	Campylobacter coli	Campylobacter coli 151-9
856	clique-group	2516143093	Campylobacter coli	Campylobacter coli 2685
856	clique-group	2516143058	Campylobacter coli	Campylobacter coli H8
856	clique-group	2516143013	Campylobacter coli	Campylobacter coli 1417
856	clique-group	2516143100	Campylobacter coli	Campylobacter coli LMG 23336
856	clique-group	2516143049	Campylobacter coli	Campylobacter coli 59-2
856	clique-group	2516143061	Campylobacter coli	Campylobacter coli 317/04
856	clique-group	2516143017	Campylobacter coli	Campylobacter coli 80352
856	clique-group	2516143006	Campylobacter coli	Campylobacter coli Z163
856	clique-group	2516143040	Campylobacter coli	Campylobacter coli 7--1
856	clique-group	2516143030	Campylobacter coli	Campylobacter coli LMG 23341
856	clique-group	2516143054	Campylobacter coli	Campylobacter coli LMG 23342
856	clique-group	2516143020	Campylobacter coli	Campylobacter coli 2692
856	clique-group	2516143076	Campylobacter coli	Campylobacter coli 2698
856	clique-group	2516143068	Campylobacter coli	Campylobacter coli LMG 9853
856	clique-group	2516143016	Campylobacter coli	Campylobacter coli H9
856	clique-group	2516143035	Campylobacter coli	Campylobacter coli 2680
856	clique-group	2516143044	Campylobacter coli	Campylobacter coli 1091
856	clique-group	2516143037	Campylobacter coli	Campylobacter coli 1891
856	clique-group	638341044	Campylobacter coli	Campylobacter coli RM2228
856	clique-group	2554235434	Campylobacter sp.	Campylobacter coli 15-537360

856	clique-group	2516143065	Campylobacter coli	Campylobacter coli 1148
856	clique-group	2516143021	Campylobacter coli	Campylobacter coli 202/04
856	clique-group	2516143047	Campylobacter coli	Campylobacter coli LMG 9854
856	clique-group	2516143026	Campylobacter coli	Campylobacter coli 132-6
856	clique-group	648276627	Campylobacter coli	Campylobacter coli JV20
856	clique-group	2516143094	Campylobacter coli	Campylobacter coli H6
856	clique-group	2516143087	Campylobacter coli	Campylobacter coli 1909
856	clique-group	2554235453	Campylobacter coli	Campylobacter coli CVM N29710
856	clique-group	2516143063	Campylobacter coli	Campylobacter coli 2548
856	clique-group	2516143092	Campylobacter coli	Campylobacter coli LMG 23344
856	clique-group	2516143060	Campylobacter coli	Campylobacter coli 1098
856	clique-group	2516143033	Campylobacter coli	Campylobacter coli 2688
856	clique-group	2516143019	Campylobacter coli	Campylobacter coli 67-8
856	clique-group	2516143005	Campylobacter coli	Campylobacter coli 1957
856	clique-group	2516143055	Campylobacter coli	Campylobacter coli 84-2
856	clique-group	2516143036	Campylobacter coli	Campylobacter coli H56
856	clique-group	2516143098	Campylobacter coli	Campylobacter coli 111-3
856	clique-group	2516143029	Campylobacter coli	Campylobacter coli 2553
856	clique-group	2516143080	Campylobacter coli	Campylobacter coli 1961
856	clique-group	2516143067	Campylobacter coli	Campylobacter coli 86119
856	clique-group	2516143072	Campylobacter coli	Campylobacter coli 1948
856	clique-group	2516143010	Campylobacter coli	Campylobacter coli 37/05
856	clique-group	2516143095	Campylobacter coli	Campylobacter coli Z156
856	clique-group	2516143038	Campylobacter coli	Campylobacter coli LMG 9860
856	clique-group	2516143024	Campylobacter coli	Campylobacter coli 90-3
857	clique	2554235386	Rickettsia prowazekii	Rickettsia prowazekii NMRC Madrid E
857	clique	2541047974	Rickettsia prowazekii	Rickettsia prowazekii Cairo 3
857	clique	2512564053	Rickettsia rickettsii	Rickettsia rickettsii Chernikova
857	clique	2541047049	Rickettsia prowazekii	Rickettsia prowazekii Breinl
857	clique	646862338	Rickettsia prowazekii	Rickettsia prowazekii Rp22
857	clique	2512564076	Rickettsia rickettsii	Rickettsia rickettsii GvV257
857	clique	2512564077	Rickettsia rickettsii	Rickettsia rickettsii RpGvF24
857	clique	2512564080	Rickettsia rickettsii	Rickettsia rickettsii BuV67-CWPP
857	clique	637000245	Rickettsia prowazekii	Rickettsia prowazekii Madrid E
857	clique	2512564054	Rickettsia rickettsii	Rickettsia rickettsii Katsinyan
857	clique	2512564070	Rickettsia rickettsii	Rickettsia rickettsii Dachau
857	clique	2541047975	Rickettsia prowazekii	Rickettsia prowazekii GvF12
858	clique	646206253	Fusobacterium sp.	Fusobacterium sp. 4_1_13
858	clique	647533171	Fusobacterium sp.	Fusobacterium sp. 3_1_36A2
858	clique	2554235746	Fusobacterium sp.	Fusobacterium sp. 3_1_36A2
858	clique	2554235041	Fusobacterium nucleatum	Fusobacterium nucleatum vincentii ChDC F8
858	clique	638341097	Fusobacterium nucleatum	Fusobacterium nucleatum vincentii ATCC 49256
858	clique	647533169	Fusobacterium sp.	Fusobacterium sp. 3_1_27
858	clique	2519899747	Fusobacterium nucleatum	Fusobacterium nucleatum fusiforme ATCC 51190
859	clique	2548876681	Mycobacterium avium	Mycobacterium avium paratuberculosis 1281
859	clique	2547132382	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt154
859	clique	2548876531	Mycobacterium avium	Mycobacterium avium paratuberculosis ATCC 19698
859	clique	2548876683	Mycobacterium avium	Mycobacterium avium paratuberculosis DT 3
859	clique	2548876685	Mycobacterium avium	Mycobacterium avium avium DT 78
859	clique	2547132380	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt145
859	clique	2547132392	Mycobacterium avium	Mycobacterium avium paratuberculosis CLIJ623
859	clique	2548876687	Mycobacterium avium	Mycobacterium avium paratuberculosis JQ6
859	clique	2541047521	Mycobacterium avium	Mycobacterium avium paratuberculosis S5
859	clique	2548877002	Mycobacterium avium	Mycobacterium avium paratuberculosis 4B
859	clique	2547132378	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt139
859	clique	645058725	Mycobacterium avium	Mycobacterium avium avium ATCC 25291
859	clique	637000168	Mycobacterium avium	Mycobacterium avium paratuberculosis K-10
859	clique	2534681669	Mycobacterium avium	Mycobacterium avium paratuberculosis S397
859	clique	2547132384	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt164
859	clique	2547132383	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt155
859	clique	2547132379	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt144
859	clique	2547132102	Mycobacterium avium	Mycobacterium avium paratuberculosis CLIJ644
859	clique	2548876680	Mycobacterium avium	Mycobacterium avium paratuberculosis JQ5
859	clique	2547132381	Mycobacterium avium	Mycobacterium avium paratuberculosis Pt146
859	clique	2548876684	Mycobacterium avium	Mycobacterium avium paratuberculosis Env 210
859	clique	639633039	Mycobacterium avium	Mycobacterium avium 104
859	clique	2548876682	Mycobacterium avium	Mycobacterium avium paratuberculosis JTC 1285
859	clique	2554235361	Mycobacterium avium	Mycobacterium avium paratuberculosis MAP4
859	clique	2547132397	Mycobacterium avium	Mycobacterium avium paratuberculosis CLIJ361
860	clique	2554235345	Mycoplasma hyopneumoniae	Mycoplasma hyopneumoniae 168-L
860	clique	637000178	Mycoplasma hyopneumoniae	Mycoplasma hyopneumoniae 7448
860	clique	650377960	Mycoplasma hyopneumoniae	Mycoplasma hyopneumoniae 168
860	clique	2554235315	Mycoplasma hyopneumoniae	Mycoplasma hyopneumoniae 7422
860	clique	637000177	Mycoplasma hyopneumoniae	Mycoplasma hyopneumoniae 232
860	clique	637000179	Mycoplasma hyopneumoniae	Mycoplasma hyopneumoniae J
861	clique-group	2513237290	Rhodococcus imtechensis	Rhodococcus imtechensis RKJ300
861	clique-group	2547132199	Rhodococcus opacus	Rhodococcus opacus PD630
861	clique-group	2537561590	Rhodococcus wratislaviensis	Rhodococcus wratislaviensis IFP 2016
861	clique-group	2519899585	Rhodococcus opacus	Rhodococcus opacus M213
862	clique	2518645592	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:10
862	clique	2518645598	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:11
862	clique	2518645595	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:19

862	clique	2518645601	Pseudomonas sp.	Pseudomonas sp. URIL14HWK12:112
863	clique	641736241	Coxiella burnetii	Coxiella burnetii RSA 334
863	clique	643348532	Coxiella burnetii	Coxiella burnetii CbuK_Q154
863	clique	641228487	Coxiella burnetii	Coxiella burnetii RSA 331
863	clique	640753021	Coxiella burnetii	Coxiella burnetii Dugway 5J108-111
863	clique	637000086	Coxiella burnetii	Coxiella burnetii Nine Mile phase I / RSA 493
863	clique	643348531	Coxiella burnetii	Coxiella burnetii CbuG_Q212
863	clique	640963018	Coxiella burnetii	Coxiella burnetii MSU Goat Q177
864	clique	642555153	Rhodopseudomonas palustris	Rhodopseudomonas palustris TIE-1
864	clique	637000239	Rhodopseudomonas palustris	Rhodopseudomonas palustris CGA009
865	clique	2545824541	Olleya sp.	Olleya sp. VCSA23
865	clique	2545824539	Olleya sp.	Olleya sp. VCSM12
866	clique-group	2505313057	Pseudomonas syringae	Pseudomonas syringae Pph1302A (Psy97)
866	clique-group	2548876787	Pseudomonas syringae	Pseudomonas syringae pv. phaseolicola 1644R
866	clique-group	2531839611	Pseudomonas syringae	Pseudomonas syringae pv glycinea B076
866	clique-group	2505313045	Pseudomonas syringae	Pseudomonas syringae Pla107 (Psy30)
866	clique-group	2505313052	Pseudomonas syringae	Pseudomonas syringae PphNPS3121 (Psy56)
866	clique-group	2505313044	Pseudomonas syringae	Pseudomonas syringae PlaYM7902 (Psy27)
866	clique-group	2505313050	Pseudomonas syringae	Pseudomonas syringae PmeN6801 (Psy44)
866	clique-group	2508501072	Pseudomonas syringae	Pseudomonas syringae Pph1448A (1448A gold standard)
866	clique-group	647000300	Pseudomonas syringae	Pseudomonas syringae pv aesculi 2250
866	clique-group	2505313054	Pseudomonas syringae	Pseudomonas syringae Pta6606 (Psy83)
866	clique-group	2508501056	Pseudomonas syringae	Pseudomonas syringae pv. aesculi 0893_23 (Aesculi)
866	clique-group	2506783056	Pseudomonas syringae	Pseudomonas syringae PmpFTRS_U7
866	clique-group	2505313042	Pseudomonas syringae	Pseudomonas syringae PgyLN10 (Psy15)
866	clique-group	637000223	Pseudomonas syringae	Pseudomonas syringae pv. phaseolicola 1448A
866	clique-group	2537561708	Pseudomonas syringae	Pseudomonas syringae pv glycinea race 4
866	clique-group	2505313058	Pseudomonas syringae	Pseudomonas syringae PphHB10Y (Psy102)
866	clique-group	648861013	Pseudomonas savastanoi	Pseudomonas savastanoi pv. savastanoi NCPPB 3335
866	clique-group	647000301	Pseudomonas syringae	Pseudomonas syringae pv aesculi NCPPB 3681
866	clique-group	2507262018	Pseudomonas syringae	Pseudomonas syringae pv. lachrymans 107 MAFF301315 (Lac 107)
866	clique-group	2508501063	Pseudomonas syringae	Pseudomonas syringae pv. tabaci ATCC 11528 (Tabaci)
866	clique-group	2505313040	Pseudomonas syringae	Pseudomonas syringae PgyBR1 (Psy13)
866	clique-group	2505313053	Pseudomonas syringae	Pseudomonas syringae PseHC_1 (Psy67)
866	clique-group	2505313051	Pseudomonas syringae	Pseudomonas syringae PphY5_2 (Psy55)
866	clique-group	2505313043	Pseudomonas syringae	Pseudomonas syringae PgyKN44 (Psy16)
866	clique-group	645951814	Pseudomonas syringae	Pseudomonas syringae pv. tabaci ATCC 11528
866	clique-group	2505313049	Pseudomonas syringae	Pseudomonas syringae PmaKN91 (Psy41)
866	clique-group	2508501059	Pseudomonas syringae	Pseudomonas syringae pv. mori MAFF301020 (Mori)
866	clique-group	2506783057	Pseudomonas syringae	Pseudomonas syringae Psv4352
866	clique-group	2505313041	Pseudomonas syringae	Pseudomonas syringae PgyUnB647 (Psy14)
867	clique	2522572170	Helicobacter pylori	Helicobacter pylori 26695
867	clique	2519899548	Helicobacter pylori	Helicobacter pylori Rif2
867	clique	637000132	Helicobacter pylori	Helicobacter pylori 26695
867	clique	2531839678	Helicobacter pylori	Helicobacter pylori P79
867	clique	2521172710	Helicobacter pylori	Helicobacter pylori Rif1
868	clique	2529293052	Streptococcus pyogenes	Streptococcus pyogenes NS88.2
868	clique	2523533626	Streptococcus pyogenes	Streptococcus pyogenes DSM 20565
868	clique	2541047107	Streptococcus pyogenes	Streptococcus pyogenes UTMEM-1
868	clique	637000301	Streptococcus pyogenes	Streptococcus pyogenes M3 (SSI-1)
868	clique	2512564065	Streptococcus pyogenes	Streptococcus pyogenes MGAS15252
868	clique	2541047110	Streptococcus pyogenes	Streptococcus pyogenes GA19681
868	clique	637000293	Streptococcus pyogenes	Streptococcus pyogenes M6, MGAS10394
868	clique	2523533631	Streptococcus pyogenes	Streptococcus pyogenes M2, MGAS10270
868	clique	637000298	Streptococcus pyogenes	Streptococcus pyogenes M28, MGAS6180
868	clique	638341208	Streptococcus pyogenes	Streptococcus pyogenes M49 591
868	clique	637000296	Streptococcus pyogenes	Streptococcus pyogenes M3, MGAS315
868	clique	2551306223	Streptococcus pyogenes	Streptococcus pyogenes BJCYGAS15
868	clique	2541047108	Streptococcus pyogenes	Streptococcus pyogenes GA41345
868	clique	637000300	Streptococcus pyogenes	Streptococcus pyogenes M12, MGAS9429
868	clique	640069333	Streptococcus pyogenes	Streptococcus pyogenes Manfredo (M5)
868	clique	643348577	Streptococcus pyogenes	Streptococcus pyogenes M49, NZ131
868	clique	637000294	Streptococcus pyogenes	Streptococcus pyogenes M4, MGAS10750
868	clique	2551306158	Streptococcus pyogenes	Streptococcus pyogenes O6BA18369
868	clique	2519103112	Streptococcus pyogenes	Streptococcus pyogenes MGAS1882
868	clique	648276747	Streptococcus pyogenes	Streptococcus pyogenes ATCC 10782
868	clique	2511231137	Streptococcus pyogenes	Streptococcus pyogenes Alab49
868	clique	637000299	Streptococcus pyogenes	Streptococcus pyogenes M18, MGAS8232
868	clique	2519103094	Streptococcus pyogenes	Streptococcus pyogenes HKU QMH11M0907901
868	clique	2551306216	Streptococcus pyogenes	Streptococcus pyogenes HLGAS12011
868	clique	2554235364	Streptococcus pyogenes	Streptococcus pyogenes M1 476
868	clique	637000297	Streptococcus pyogenes	Streptococcus pyogenes M1, MGAS5005
868	clique	637000291	Streptococcus pyogenes	Streptococcus pyogenes M1, GAS SF370
868	clique	637000295	Streptococcus pyogenes	Streptococcus pyogenes M12, MGAS2096
868	clique	2541047106	Streptococcus pyogenes	Streptococcus pyogenes UTSW-2
868	clique	2541047109	Streptococcus pyogenes	Streptococcus pyogenes GA40634
868	clique	2519899549	Streptococcus pyogenes	Streptococcus pyogenes A20
869	clique	2517487021	Wohlfahrtiimonas chitiniclastica	Wohlfahrtiimonas chitiniclastica DSM 18708
869	clique	2541047597	Wohlfahrtiimonas chitiniclastica	Wohlfahrtiimonas chitiniclastica SH04
870	clique	2534681956	Clostridium thermocellum	Clostridium thermocellum AD2
870	clique	642791610	Clostridium thermocellum	Clostridium thermocellum JW 20, DSM 4150
870	clique	650377924	Clostridium thermocellum	Clostridium thermocellum LQ8, DSM 1313

870	clique	2534682104	Clostridium thermocellum	Clostridium thermocellum YS
870	clique	645058753	Clostridium thermocellum	Clostridium thermocellum DSM 2360
870	clique	640069309	Clostridium thermocellum	Clostridium thermocellum ATCC 27405
871	clique	648028017	Clostridium ljungdahlii	Clostridium ljungdahlii PETC, DSM 13528
871	clique	2554235459	Clostridium autoethanogenum	Clostridium autoethanogenum DSM 10061
871	clique	2554235205	Clostridium autoethanogenum	Clostridium autoethanogenum DSM 10061
872	clique	2531839538	Rhodanobacter sp.	Rhodanobacter sp. 116-2
872	clique	2510065087	Rhodanobacter sp.	Rhodanobacter sp. OR87
872	clique	2506520041	Rhodanobacter sp.	Rhodanobacter sp. 2APBS1
872	clique	2510065060	Rhodanobacter sp.	Rhodanobacter sp. OR92
873	clique	2528311093	Desulfovibrio alaskensis	Desulfovibrio alaskensis DSM 16109
873	clique	637000095	Desulfovibrio alaskensis	Desulfovibrio alaskensis G20
874	clique	2537562208	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens plantarum M27
874	clique	2540341129	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens Y2
874	clique	640753005	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens plantarum FZB42
874	clique	2540341147	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens UCMB5036
874	clique	2554235229	Paenibacillus sp.	Paenibacillus lentimorbus NRRL B-30488
874	clique	2541047086	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens plantarum UCMB5033
874	clique	2554235107	Bacillus subtilis	Bacillus subtilis SPZ1
874	clique	2551306124	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens amyloliquefaciens DC-12
874	clique	2534681946	Bacillus sp.	Bacillus sp. 916
874	clique	2513237296	Bacillus sp.	Bacillus sp. 5B6
874	clique	2554235114	Paenibacillus polymyxa	Paenibacillus polymyxa ATCC 12321
874	clique	2545555800	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens EGD-AQ14
874	clique	2511231119	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens CAU-B946
874	clique	2519899543	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens plantarum AS43.3
874	clique	2541047004	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens Plantarum UCMB5113
874	clique	2513237190	Bacillus amyloliquefaciens	Bacillus amyloliquefaciens plantarum YAU B9601-Y2
875	clique	645058822	Streptomyces roseosporus	Streptomyces roseosporus NRRL 15998
875	clique	2524614673	Streptomyces sp.	Streptomyces sp. PgraA7
875	clique	645058827	Streptomyces roseosporus	Streptomyces roseosporus NRRL 11379
876	clique	2551306195	Salmonella enterica	Salmonella enterica enterica sv. Mississippi 2010K-1406
876	clique	2519899610	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm6
876	clique	2554235143	Salmonella enterica	Salmonella enterica enterica sv. Stanley 06-0538
876	clique	2554235429	Salmonella enterica	Salmonella enterica enterica sv. 4,[5],12:i:- 08-1736
876	clique	2541047603	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1594
876	clique	2537562070	Salmonella enterica	Salmonella enterica enterica sv. Montevideo IA_2010008287
876	clique	2541047645	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis SL909
876	clique	2541047471	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2009K1726
876	clique	2541047662	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648903 1-6
876	clique	2551306400	Salmonella enterica	Salmonella enterica enterica sv. Thompson 2010K-1863
876	clique	2541047650	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 22558
876	clique	2541047611	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1010
876	clique	645058837	Salmonella enterica	Salmonella enterica enterica sv. Tennessee CDC07-0191
876	clique	2541047466	Salmonella enterica	Salmonella enterica enterica sv. Dublin DG22
876	clique	2541047623	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1811
876	clique	2537561639	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM N1543
876	clique	2529292936	Salmonella enterica	Salmonella enterica enterica sv. Montevideo CT_02035327
876	clique	2529292934	Salmonella enterica	Salmonella enterica enterica sv. Montevideo CT_02035320
876	clique	2519899728	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 77-2659
876	clique	2529292964	Salmonella enterica	Salmonella enterica enterica sv. Wandsworth A4-580
876	clique	2531839632	Salmonella enterica	Salmonella enterica enterica sv. Montevideo IA_2010008284
876	clique	637000255	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium LT2
876	clique	2534681867	Salmonella enterica	Salmonella enterica enterica sv. Baildon R6-199
876	clique	2534681617	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 315996572
876	clique	2519899617	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 77-0424
876	clique	2519899608	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm3
876	clique	2554235342	Salmonella enterica	Salmonella enterica enterica sv. Thompson RM6836
876	clique	2541047618	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1444
876	clique	2541047664	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 653049 13-19
876	clique	2541047609	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1558
876	clique	641736230	Salmonella enterica	Salmonella enterica enterica sv. Saint Paul SARA29
876	clique	2537561855	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 515920-1
876	clique	2541047473	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2010K-0267
876	clique	2537561641	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 22462
876	clique	2541047659	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648901 1-17
876	clique	2531839548	Salmonella enterica	Salmonella enterica enterica sv. Gallinarum 9184
876	clique	2537561637	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 37978
876	clique	2537562167	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 366867
876	clique	2541047637	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 607308-9
876	clique	2537562164	Salmonella enterica	Salmonella enterica enterica sv. Montevideo NC_MB110209-0054
876	clique	2548877057	Salmonella enterica	Salmonella enterica enterica sv. Typhi ST0208
876	clique	641736105	Salmonella enterica	Salmonella enterica enterica Heidelberg SL486
876	clique	2541047674	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 81-2625
876	clique	2541047647	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CVM_69-4941
876	clique	637000253	Salmonella enterica	Salmonella enterica enterica sv. Typhi Ty2
876	clique	2531839379	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 19449
876	clique	2541047625	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1455
876	clique	2540341054	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium U288
876	clique	2531839380	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 35188
876	clique	2519899625	Salmonella enterica	Salmonella enterica enterica sv. Newport Levine 15
876	clique	2541047652	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 543463 40-18

876	clique	643692035	Salmonella enterica	Salmonella enterica Paratyphi C RKS4594
876	clique	2537562169	Salmonella enterica	Salmonella enterica enterica sv Montevideo 609458-1
876	clique	2519899597	Salmonella enterica	Salmonella enterica enterica sv. Heidelberg CFSAN00326
876	clique	642555156	Salmonella enterica	Salmonella enterica sv Heidelberg SL476, CVM30485
876	clique	641736208	Salmonella enterica	Salmonella enterica enterica sv Hadar RI_05P066
876	clique	2554235145	Salmonella enterica	Salmonella enterica enterica sv. Muenchen 2009K-0951
876	clique	650377972	Salmonella enterica	Salmonella enterica enterica sv Typhimurium SL1344
876	clique	2541047667	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 543463 42-20
876	clique	2534681952	Salmonella enterica	Salmonella enterica enterica sv. Newport SH111077
876	clique	2541047654	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 642044 4-1
876	clique	2540341092	Salmonella enterica	Salmonella enterica enterica sv. Javiana CFSAN001992
876	clique	2534681869	Salmonella enterica	Salmonella enterica enterica sv Give S5-487
876	clique	642979342	Salmonella enterica	Salmonella enterica enterica sv Typhi E02-1180
876	clique	2541047607	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1441
876	clique	2519899627	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm5
876	clique	2519899606	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm1
876	clique	2548877045	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2010-1237
876	clique	2534681623	Salmonella enterica	Salmonella enterica enterica sv Montevideo 19N
876	clique	2537561788	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis PT23
876	clique	2518645560	Salmonella enterica	Salmonella enterica enterica sv. Heidelberg B182
876	clique	2540341017	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 80959-06
876	clique	2519899723	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 639672-46
876	clique	2541047621	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1565
876	clique	2548877055	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 08-0627
876	clique	2519899615	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 639016-6
876	clique	2534681871	Salmonella enterica	Salmonella enterica enterica sv Inverness R8-3668
876	clique	642979346	Salmonella enterica	Salmonella enterica enterica sv Typhi E98-3139
876	clique	2541047600	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CHS44
876	clique	2541047676	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 53-407
876	clique	2541047475	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2010K-0284
876	clique	2541047649	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CHS4
876	clique	2554235136	Salmonella enterica	Salmonella enterica enterica sv. Hartford 2012K-0272
876	clique	2554235366	Salmonella enterica	Salmonella enterica enterica sv. Gallinarum/Pullorum CDC1983-67
876	clique	2537561642	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 22425
876	clique	2534681712	Salmonella enterica	Salmonella enterica enterica sv. Montevideo LQC 10
876	clique	2534682004	Salmonella enterica	Salmonella enterica enterica sv. Heidelberg 41565
876	clique	2529292939	Salmonella enterica	Salmonella enterica enterica sv. Montevideo IA_2010008286
876	clique	2541047615	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1457
876	clique	2541047669	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 76-2651
876	clique	2504756086	Salmonella enterica	Salmonella enterica enterica sv Hvittingfoss A4-620
876	clique	2519899739	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 22510-1
876	clique	2541047626	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1575
876	clique	2541047660	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648901 39-2
876	clique	2531839382	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 21539
876	clique	646862339	Salmonella enterica	Salmonella enterica enterica sv Typhimurium D23580
876	clique	2551306053	Salmonella enterica	Salmonella enterica enterica sv. Typhi CR0063
876	clique	651053064	Salmonella enterica	Salmonella enterica enterica sv Typhimurium T000240
876	clique	2531839627	Salmonella enterica	Salmonella enterica enterica sv Montevideo IA_2009159199
876	clique	2537561786	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 18569
876	clique	2519899628	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 596866-22
876	clique	2554235137	Salmonella enterica	Salmonella enterica enterica sv. Muenchen 08-1125
876	clique	2531839496	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis SE8a
876	clique	2537561601	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 21554
876	clique	2534681622	Salmonella enterica	Salmonella enterica enterica sv Montevideo 531954
876	clique	2541047606	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1543
876	clique	2541047469	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2009K0958
876	clique	642979339	Salmonella enterica	Salmonella enterica enterica sv Typhi J185
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876	clique	2551306178	Salmonella enterica	Salmonella enterica enterica sv. Bareilly 06-0784
876	clique	2541047671	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis SARB17
876	clique	2541047599	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis SE30663
876	clique	2554235428	Salmonella enterica	Salmonella enterica enterica Serovar Cubana CFSAN002050
876	clique	2541047592	Salmonella enterica	Salmonella enterica enterica sv. Agona SH08SF124
876	clique	2541047624	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_0956
876	clique	2519899741	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648905 5-18
876	clique	641736100	Salmonella enterica	Salmonella enterica enterica sv Schwarzengrund SL480
876	clique	2541047605	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1580
876	clique	2554235390	Salmonella enterica	Salmonella enterica enterica sv. Bareilly CFSAN000189
876	clique	2534681784	Salmonella enterica	Salmonella enterica enterica sv Dublin HWS51
876	clique	2531839626	Salmonella enterica	Salmonella enterica enterica sv Montevideo 315731156
876	clique	2541047639	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis SE15-1
876	clique	641736233	Salmonella enterica	Salmonella enterica enterica sv Saint Paul SARA23
876	clique	642555159	Salmonella enterica	Salmonella enterica enterica sv Schwarzengrund CVM19633
876	clique	2541047643	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 13183-1
876	clique	2541047630	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1795
876	clique	642979344	Salmonella enterica	Salmonella enterica enterica sv Typhi E00-7866
876	clique	2548877047	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 08-0128
876	clique	2541047593	Salmonella enterica	Salmonella enterica enterica sv. Agona SH11G1113
876	clique	2548876846	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium ST1660/06
876	clique	2537562073	Salmonella enterica	Salmonella enterica enterica sv Montevideo 507440-20
876	clique	2537562097	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648901 6-18
876	clique	2541047634	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 607308-16

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876	clique	2540341126	Salmonella enterica	Salmonella enterica enterica sv. Typhi Ty21a
876	clique	2537562074	Salmonella enterica	Salmonella enterica enterica sv. Montevideo MB111609-0052
876	clique	2531839002	Salmonella enterica	Salmonella enterica enterica sv. Dublin UC16
876	clique	2531839281	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 4176
876	clique	2541047641	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CVM_56-3991
876	clique	2541047613	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_0895
876	clique	2537561519	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm10
876	clique	2537561544	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 413180
876	clique	2531839384	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 21550
876	clique	2554235140	Salmonella enterica	Salmonella enterica enterica sv. Anatum 06-0532
876	clique	2529292941	Salmonella enterica	Salmonella enterica enterica sv. Montevideo CT_02035278
876	clique	2547132051	Salmonella enterica	Salmonella enterica enterica sv. Gallinarum 9
876	clique	641228506	Salmonella enterica	Salmonella enterica enterica sv. Paratyphi B, SPB7
876	clique	2554235343	Salmonella enterica	Salmonella enterica Enterica sv. Heidelberg 41578
876	clique	2537561599	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 19470
876	clique	2519899726	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 629164-37
876	clique	2541047656	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648898 4-5
876	clique	2534681620	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 495297-4
876	clique	2541047628	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1745
876	clique	2551306194	Salmonella enterica	Salmonella enterica enterica sv. Hadar 2011K-0112
876	clique	2519899613	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm11
876	clique	637000251	Salmonella enterica	Salmonella enterica enterica sv. Choleraesuis SC-B67
876	clique	2519899630	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 607307-6
876	clique	2531839378	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 19447
876	clique	2519899611	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm8
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876	clique	2519899595	Salmonella enterica	Salmonella enterica enterica sv. Heidelberg CFSAN00325
876	clique	2554235431	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium var. 5- CFSAN001921
876	clique	2541047673	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 50-5646
876	clique	2537561789	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 13-1
876	clique	2541047470	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 08-1080
876	clique	2541047651	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 543463 22-17
876	clique	2548877006	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis LA5
876	clique	642555157	Salmonella enterica	Salmonella enterica sv. Newport SL254
876	clique	643348572	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis P125109
876	clique	2534681866	Salmonella enterica	Salmonella enterica enterica sv. Gaminara A4-567
876	clique	2531839375	Salmonella enterica	Salmonella enterica enterica sv. Heidelberg CFSAN00328
876	clique	2531839624	Salmonella enterica	Salmonella enterica enterica sv. Montevideo IA_2010008282
876	clique	2537562071	Salmonella enterica	Salmonella enterica enterica sv. Montevideo MB110209-0055
876	clique	2531839630	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 556152
876	clique	2554235392	Salmonella enterica	Salmonella enterica enterica sv. Pullorum S06004
876	clique	2541047663	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648904 3-6
876	clique	2541047632	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 635290-58
876	clique	641736102	Salmonella enterica	Salmonella enterica enterica sv. Javiana GA_MM04042433
876	clique	2531839192	Salmonella enterica	Salmonella enterica enterica sv. Adelaide A4-669
876	clique	2540341029	Salmonella enterica	Salmonella enterica enterica sv. Montevideo SARB31
876	clique	2531839631	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 556150-1
876	clique	2529293224	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 42N
876	clique	2537562165	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 446600
876	clique	2534681951	Salmonella enterica	Salmonella enterica enterica sv. Newport JS09102
876	clique	2537561787	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 436
876	clique	2534681618	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 495297-1
876	clique	641736231	Salmonella enterica	Salmonella enterica enterica sv. S4,[5],12:i: CVM23701
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876	clique	2537562069	Salmonella enterica	Salmonella enterica enterica sv. Montevideo MB101509-0077
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876	clique	2537561643	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 21538
876	clique	2541047672	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 6.0562-1
876	clique	2541047658	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648900 1-16
876	clique	2541047675	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 62-1976
876	clique	2534681707	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 29N
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876	clique	2537561636	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 19593
876	clique	2541047646	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis SL913
876	clique	2537562168	Salmonella enterica	Salmonella enterica enterica sv. Montevideo MD_MDA09249507
876	clique	2519899618	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 640631
876	clique	2519899745	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 58-6482
876	clique	2504756089	Salmonella enterica	Salmonella enterica enterica MZ0080
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876	clique	2548876847	Salmonella enterica	Salmonella enterica enterica sv. Typhi BL196
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876	clique	2541047602	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1884
876	clique	2541047612	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1729
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876	clique	2534681868	Salmonella enterica	Salmonella enterica enterica sv. Hvittingfoss A4-620
876	clique	2547132050	Salmonella enterica	Salmonella enterica enterica sv. Dublin 3246
876	clique	2554235142	Salmonella enterica	Salmonella enterica enterica sv. Bareilly 07-0873
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876	clique	2541047620	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1559
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876	clique	2519899607	Salmonella enterica	Salmonella enterica enterica sv. Typhimurium STm2
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876	clique	2541047601	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1882
876	clique	2541047655	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 642046 4-7
876	clique	2541047608	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1810
876	clique	2541047617	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_0968
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876	clique	2554235139	Salmonella enterica	Salmonella enterica enterica sv. Hadar 2012K-0272
876	clique	2534682111	Salmonella enterica	Salmonella enterica Enterica sv. Heidelberg 41579
876	clique	2548877056	Salmonella enterica	Salmonella enterica enterica sv. Typhi CR0044
876	clique	2519899616	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 622731-39
876	clique	2541047631	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 576709
876	clique	2534681872	Salmonella enterica	Salmonella enterica enterica sv Mississippi A4-633
876	clique	2541047474	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2010K-0271
876	clique	2541047616	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1747
876	clique	2541047677	Salmonella enterica	Salmonella enterica enterica sv. Pullorum ATCC 9120
876	clique	2541047648	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 17927
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876	clique	2531839381	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 21559
876	clique	2554235144	Salmonella enterica	Salmonella enterica enterica sv. Poona 2010K-2244
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876	clique	2541047610	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CDC_2010K_1018
876	clique	2541047661	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 648902 6-8
876	clique	2541047591	Salmonella enterica	Salmonella enterica enterica sv. Agona SH10GFN094
876	clique	2548877053	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 08-0047
876	clique	2519899596	Salmonella enterica	Salmonella enterica enterica sv. Heidelberg CFSAN00322
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876	clique	641736234	Salmonella enterica	Salmonella enterica enterica sv Kentucky CVM29188
876	clique	2541047598	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 22704
876	clique	2537561783	Salmonella enterica	Salmonella enterica enterica sv. Newport CVM 35185
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876	clique	2531839625	Salmonella enterica	Salmonella enterica enterica sv Montevideo IA_2010008283
876	clique	2534681954	Salmonella enterica	Salmonella enterica enterica sv. Newport Henan_3
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876	clique	637000252	Salmonella enterica	Salmonella enterica enterica sv Paratyphi A, ATCC 9150
876	clique	2548877044	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 2010K-0669
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876	clique	651053065	Salmonella enterica	Salmonella enterica enterica sv Typhimurium UK-1
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876	clique	2519899725	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 629164-26
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876	clique	2534681875	Salmonella enterica	Salmonella enterica enterica sv Rubislaw A4-653
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876	clique	2541047670	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis 33944
876	clique	2541047644	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CVM_81-2490
876	clique	2537562162	Salmonella enterica	Salmonella enterica enterica sv. Montevideo 81038-01
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876	clique	641736111	Salmonella enterica	Salmonella enterica enterica sv Newport SL317
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876	clique	2541047640	Salmonella enterica	Salmonella enterica enterica sv. Enteritidis CVM_N202
876	clique	641736103	Salmonella enterica	Salmonella enterica enterica sv Kentucky CDC 191
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876	clique	2554235099	Salmonella enterica	Salmonella enterica enterica sv. Tennessee CDC07-0191
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876	clique	2534681870	Salmonella enterica	Salmonella enterica enterica sv Johannesburg S5-703
876	clique	2537562075	Salmonella enterica	Salmonella enterica enterica sv Montevideo 609460
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877	clique	2511231175	Staphylococcus aureus	Staphylococcus aureus aureus VC40
877	clique	647533218	Staphylococcus aureus	Staphylococcus aureus aureus C160
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877	clique	2541047485	Staphylococcus aureus	Staphylococcus aureus aureus 122051
877	clique	637000278	Staphylococcus aureus	Staphylococcus aureus aureus N315
877	clique	2526164606	Staphylococcus aureus	Staphylococcus aureus aureus CIGC348
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877	clique	645951867	Staphylococcus aureus	Staphylococcus aureus A9781
877	clique	2529292928	Staphylococcus aureus	Staphylococcus aureus aureus VRS6
877	clique	2537561700	Staphylococcus aureus	Staphylococcus aureus aureus IS-88
877	clique	2541047112	Staphylococcus aureus	Staphylococcus aureus aureus 103564
877	clique	2537562144	Staphylococcus aureus	Staphylococcus aureus aureus 21209
877	clique	2534681950	Staphylococcus aureus	Staphylococcus aureus aureus VRS9
877	clique	2551306201	Staphylococcus aureus	Staphylococcus aureus aureus 333
877	clique	647533226	Staphylococcus aureus	Staphylococcus aureus M876
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877	clique	2531839089	Staphylococcus aureus	Staphylococcus aureus aureus IS-189
877	clique	640427145	Staphylococcus aureus	Staphylococcus aureus aureus JH9
877	clique	2534681610	Staphylococcus aureus	Staphylococcus aureus aureus 21195
877	clique	647000314	Staphylococcus aureus	Staphylococcus aureus A10102
877	clique	647000321	Staphylococcus aureus	Staphylococcus aureus aureus ATCC 51811
877	clique	2551306398	Staphylococcus aureus	Staphylococcus aureus PPUKM-377-2009
877	clique	645951822	Staphylococcus aureus	Staphylococcus aureus A6224
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877	clique	2534681803	Staphylococcus aureus	Staphylococcus aureus aureus 21318
877	clique	2531839040	Staphylococcus aureus	Staphylococcus aureus aureus CIG1242
877	clique	2519103059	Staphylococcus aureus	Staphylococcus aureus aureus VRS8
877	clique	648276730	Staphylococcus aureus	Staphylococcus aureus aureus ATCC BAA-39
877	clique	2537561702	Staphylococcus aureus	Staphylococcus aureus aureus IS-99
877	clique	2526164699	Staphylococcus aureus	Staphylococcus aureus ST228/18412
877	clique	651053068	Staphylococcus aureus	Staphylococcus aureus aureus ECT-R 2
877	clique	640753053	Staphylococcus aureus	Staphylococcus aureus aureus Mu3
877	clique	2554235012	Staphylococcus aureus	Staphylococcus aureus H29
877	clique	2519103060	Staphylococcus aureus	Staphylococcus aureus aureus VRS7
877	clique	646862343	Staphylococcus aureus	Staphylococcus aureus aureus ST398
877	clique	643886192	Staphylococcus aureus	Staphylococcus aureus aureus JKD6009
877	clique	2551306503	Staphylococcus aureus	Staphylococcus aureus LVP2
877	clique	2531839613	Staphylococcus aureus	Staphylococcus aureus aureus 21269
877	clique	2545824650	Staphylococcus aureus	Staphylococcus aureus M1466
877	clique	2537561527	Staphylococcus aureus	Staphylococcus aureus aureus CIG1612

877	clique	645951843	Staphylococcus aureus	Staphylococcus aureus A9299
877	clique	637000276	Staphylococcus aureus	Staphylococcus aureus aureus MW2
877	clique	645951823	Staphylococcus aureus	Staphylococcus aureus A6300
877	clique	2526164608	Staphylococcus aureus	Staphylococcus aureus aureus CIGC341D
877	clique	2541047520	Staphylococcus aureus	Staphylococcus aureus aureus DSM 20231
877	clique	647000316	Staphylococcus aureus	Staphylococcus aureus A8796
877	clique	2534682238	Staphylococcus aureus	Staphylococcus aureus aureus CIG1165
877	clique	647533228	Staphylococcus aureus	Staphylococcus aureus aureus WBG10049
877	clique	2554235115	Staphylococcus aureus	Staphylococcus aureus aureus PS187
877	clique	2531839337	Staphylococcus aureus	Staphylococcus aureus KLT6
877	clique	2537561704	Staphylococcus aureus	Staphylococcus aureus aureus IS-111
877	clique	2526164700	Staphylococcus aureus	Staphylococcus aureus ST228/15532
877	clique	2516143091	Staphylococcus aureus	Staphylococcus aureus aureus DR10
877	clique	2534681614	Staphylococcus aureus	Staphylococcus aureus aureus 21178
877	clique	2540341104	Staphylococcus aureus	Staphylococcus aureus ST228/16125
877	clique	2534682288	Staphylococcus aureus	Staphylococcus aureus aureus 21236
877	clique	2537562166	Staphylococcus aureus	Staphylococcus aureus O46
877	clique	2531839039	Staphylococcus aureus	Staphylococcus aureus aureus CIG1214
877	clique	2534681607	Staphylococcus aureus	Staphylococcus aureus aureus 21196
877	clique	2537561699	Staphylococcus aureus	Staphylococcus aureus aureus IS-3
877	clique	648231716	Staphylococcus aureus	Staphylococcus aureus aureus ED133
877	clique	2537561522	Staphylococcus aureus	Staphylococcus aureus aureus CIG2018
877	clique	2547132295	Staphylococcus aureus	Staphylococcus aureus 16K
877	clique	2548876848	Staphylococcus aureus	Staphylococcus aureus aureus 118
877	clique	2534682239	Staphylococcus aureus	Staphylococcus aureus aureus CIG1114
877	clique	2545824634	Staphylococcus aureus	Staphylococcus aureus CC45
877	clique	2531839347	Staphylococcus aureus	Staphylococcus aureus aureus MRSA177
877	clique	645058749	Staphylococcus aureus	Staphylococcus aureus aureus CF-Marseille
877	clique	2531839046	Staphylococcus aureus	Staphylococcus aureus aureus CIG547
877	clique	2509887000	Staphylococcus aureus	Staphylococcus aureus SA16 (First)
877	clique	2551306427	Staphylococcus aureus	Staphylococcus aureus aureus 06BA18369
877	clique	2534681949	Staphylococcus aureus	Staphylococcus aureus aureus VRS11b
877	clique	2537561705	Staphylococcus aureus	Staphylococcus aureus aureus IS-105
877	clique	2537562049	Staphylococcus aureus	Staphylococcus aureus aureus 21305
877	clique	2540341103	Staphylococcus aureus	Staphylococcus aureus ST228/18583
877	clique	2534681609	Staphylococcus aureus	Staphylococcus aureus aureus 21194
877	clique	647533221	Staphylococcus aureus	Staphylococcus aureus E1410
877	clique	2531839044	Staphylococcus aureus	Staphylococcus aureus aureus CIG1769
877	clique	2531839091	Staphylococcus aureus	Staphylococcus aureus aureus IS-157
877	clique	2534681612	Staphylococcus aureus	Staphylococcus aureus aureus 21193
877	clique	2529292930	Staphylococcus aureus	Staphylococcus aureus aureus VRS2
877	clique	2529292791	Staphylococcus epidermidis	Staphylococcus epidermidis VCU006
877	clique	647533214	Staphylococcus aureus	Staphylococcus aureus aureus 68-397
877	clique	2537561520	Staphylococcus aureus	Staphylococcus aureus aureus CIG1524
877	clique	648231718	Staphylococcus aureus	Staphylococcus aureus aureus JKD6008
877	clique	645058811	Staphylococcus aureus	Staphylococcus aureus aureus TCH130
877	clique	2541047113	Staphylococcus aureus	Staphylococcus aureus aureus M140olga
877	clique	645951827	Staphylococcus aureus	Staphylococcus aureus A9763
877	clique	637000279	Staphylococcus aureus	Staphylococcus aureus aureus NCTC 8325
877	clique	646311955	Staphylococcus aureus	Staphylococcus aureus aureus ED98
877	clique	2511231205	Staphylococcus aureus	Staphylococcus aureus aureus M013
877	clique	2529292789	Staphylococcus aureus	Staphylococcus aureus aureus 21345
877	clique	2554235356	Staphylococcus aureus	Staphylococcus aureus aureus ST72 CN1
877	clique	2551306502	Staphylococcus aureus	Staphylococcus aureus VH221
877	clique	2551306175	Staphylococcus aureus	Staphylococcus aureus NN54
877	clique	2545824654	Staphylococcus aureus	Staphylococcus aureus M0294
877	clique	2551306402	Staphylococcus aureus	Staphylococcus aureus PPUKM-261-2009
877	clique	2519103061	Staphylococcus aureus	Staphylococcus aureus aureus VRS4
877	clique	647533223	Staphylococcus aureus	Staphylococcus aureus aureus H19
877	clique	2547132179	Staphylococcus aureus	Staphylococcus aureus M2
877	clique	2537562145	Staphylococcus aureus	Staphylococcus aureus aureus 21235
877	clique	647000313	Staphylococcus aureus	Staphylococcus aureus 930918-3
877	clique	647533216	Staphylococcus aureus	Staphylococcus aureus aureus Btn1260
877	clique	637000277	Staphylococcus aureus	Staphylococcus aureus aureus M
877	clique	647000318	Staphylococcus aureus	Staphylococcus aureus A9754
877	clique	2537561707	Staphylococcus aureus	Staphylococcus aureus aureus IS-122
877	clique	2531839042	Staphylococcus aureus	Staphylococcus aureus aureus CIG1605
877	clique	2534682063	Staphylococcus aureus	Staphylococcus aureus aureus Newbould 305
877	clique	2547132183	Staphylococcus aureus	Staphylococcus aureus aureus LCT-SA112
877	clique	647533220	Staphylococcus aureus	Staphylococcus aureus aureus D139
877	clique	2551306500	Staphylococcus aureus	Staphylococcus aureus aureus 3989
877	clique	2534681611	Staphylococcus aureus	Staphylococcus aureus aureus 21189
877	clique	2537562176	Staphylococcus aureus	Staphylococcus aureus aureus CGS03
877	clique	2554235230	Staphylococcus sp.	Staphylococcus aureus LCT-SA67
877	clique	2554235748	Staphylococcus aureus	Staphylococcus aureus aureus 55/2053
877	clique	647000320	Staphylococcus aureus	Staphylococcus aureus D30
877	clique	2537561615	Staphylococcus aureus	Staphylococcus aureus aureus CGS00
877	clique	2541047111	Staphylococcus aureus	Staphylococcus aureus aureus 091751
877	clique	2531839041	Staphylococcus aureus	Staphylococcus aureus aureus CIG1500
877	clique	647000315	Staphylococcus aureus	Staphylococcus aureus A8117
877	clique	2551306399	Staphylococcus aureus	Staphylococcus aureus PPUKM-332-2009
877	clique	2526164605	Staphylococcus aureus	Staphylococcus aureus aureus CIGC345D

877	clique	2529292927	Staphylococcus aureus	Staphylococcus aureus aureus VRS3a
877	clique	2534681967	Staphylococcus aureus	Staphylococcus aureus aureus VRS10
877	clique	2526164721	Staphylococcus aureus	Staphylococcus aureus ST228/10388
877	clique	2537561503	Staphylococcus aureus	Staphylococcus aureus KT/Y21
877	clique	2526164701	Staphylococcus aureus	Staphylococcus aureus ST228/10497
877	clique	647533215	Staphylococcus aureus	Staphylococcus aureus aureus A017934/97
877	clique	645951818	Staphylococcus aureus	Staphylococcus aureus A5937
877	clique	2537561528	Staphylococcus aureus	Staphylococcus aureus aureus CIG1233
877	clique	2537561701	Staphylococcus aureus	Staphylococcus aureus aureus IS-55
877	clique	2537561521	Staphylococcus aureus	Staphylococcus aureus aureus CIG149
877	clique	648276731	Staphylococcus aureus	Staphylococcus aureus aureus MN8
877	clique	2545824665	Staphylococcus aureus	Staphylococcus aureus M1078
877	clique	2531839162	Staphylococcus aureus	Staphylococcus aureus aureus CIGC93
877	clique	2531839043	Staphylococcus aureus	Staphylococcus aureus aureus CIG1750
877	clique	643692036	Staphylococcus aureus	Staphylococcus aureus aureus USA300_TCH1516
877	clique	2534681806	Staphylococcus aureus	Staphylococcus aureus aureus 21333
877	clique	645951828	Staphylococcus aureus	Staphylococcus aureus A9635
877	clique	640753054	Staphylococcus aureus	Staphylococcus aureus aureus Newman
877	clique	637000273	Staphylococcus aureus	Staphylococcus aureus aureus COL
877	clique	2534681616	Staphylococcus aureus	Staphylococcus aureus aureus 21202
877	clique	2551306504	Staphylococcus aureus	Staphylococcus aureus LVP5
877	clique	2529292929	Staphylococcus aureus	Staphylococcus aureus aureus VRS5
877	clique	2531839616	Staphylococcus aureus	Staphylococcus aureus aureus 21262
877	clique	647533225	Staphylococcus aureus	Staphylococcus aureus aureus M809
877	clique	2541046986	Staphylococcus aureus	Staphylococcus aureus aureus 21282
877	clique	2548877058	Staphylococcus aureus	Staphylococcus aureus aureus NN50
877	clique	2537561526	Staphylococcus aureus	Staphylococcus aureus aureus CIG1176
877	clique	637000275	Staphylococcus aureus	Staphylococcus aureus aureus MSSA476
877	clique	647533227	Staphylococcus aureus	Staphylococcus aureus aureus M899
877	clique	2534681799	Staphylococcus aureus	Staphylococcus aureus aureus 21340
877	clique	2537562048	Staphylococcus aureus	Staphylococcus aureus aureus 21310
877	clique	647000317	Staphylococcus aureus	Staphylococcus aureus A8819
877	clique	2534681948	Staphylococcus aureus	Staphylococcus aureus aureus VRS11a
877	clique	2531839086	Staphylococcus aureus	Staphylococcus aureus aureus IS-M
877	clique	2551306397	Staphylococcus aureus	Staphylococcus aureus PPUKM-775-2009
877	clique	2531839048	Staphylococcus aureus	Staphylococcus aureus aureus CIG1150
877	clique	2518645534	Staphylococcus aureus	Staphylococcus aureus 08BA02176
877	clique	645951816	Staphylococcus aureus	Staphylococcus aureus A9719
877	clique	2534682237	Staphylococcus aureus	Staphylococcus aureus aureus CIG1057
877	clique	2531839614	Staphylococcus aureus	Staphylococcus aureus aureus 21272
877	clique	647533217	Staphylococcus aureus	Staphylococcus aureus aureus C101
877	clique	2534681615	Staphylococcus aureus	Staphylococcus aureus aureus 21201
877	clique	2534681981	Staphylococcus aureus	Staphylococcus aureus aureus 21252
877	clique	647533222	Staphylococcus aureus	Staphylococcus aureus aureus EMRSA16
877	clique	2534681802	Staphylococcus aureus	Staphylococcus aureus aureus 21331
877	clique	2554235358	Staphylococcus aureus	Staphylococcus aureus aureus SA957
877	clique	2551306493	Staphylococcus aureus	Staphylococcus aureus PB32
877	clique	2529293169	Staphylococcus aureus	Staphylococcus aureus aureus CM05
877	clique	640753052	Staphylococcus aureus	Staphylococcus aureus aureus JH1
877	clique	646862344	Staphylococcus aureus	Staphylococcus aureus aureus TW20_0582
877	clique	2511231197	Staphylococcus aureus	Staphylococcus aureus aureus LGA251
877	clique	651053070	Staphylococcus aureus	Staphylococcus aureus aureus TCH60
877	clique	2545824671	Staphylococcus aureus	Staphylococcus aureus M1060
877	clique	651053069	Staphylococcus aureus	Staphylococcus aureus aureus T0131
877	clique	2545824651	Staphylococcus aureus	Staphylococcus aureus M1228
877	clique	647533219	Staphylococcus aureus	Staphylococcus aureus aureus C427
877	clique	2551306196	Staphylococcus aureus	Staphylococcus aureus aureus 120
877	clique	2537561703	Staphylococcus aureus	Staphylococcus aureus aureus IS-91
877	clique	645058814	Staphylococcus aureus	Staphylococcus aureus aureus TCH70
877	clique	2537561524	Staphylococcus aureus	Staphylococcus aureus aureus CIG290
877	clique	2551306383	Staphylococcus aureus	Staphylococcus aureus aureus VH60
877	clique	647533212	Staphylococcus aureus	Staphylococcus aureus aureus 58-424
877	clique	2526164607	Staphylococcus aureus	Staphylococcus aureus aureus CIGC340D
877	clique	2534681608	Staphylococcus aureus	Staphylococcus aureus aureus 21200
877	clique	637000272	Staphylococcus aureus	Staphylococcus aureus RF122
877	clique	2534681613	Staphylococcus aureus	Staphylococcus aureus aureus 21172
877	clique	2551306428	Staphylococcus aureus	Staphylococcus aureus PM1
877	clique	2548876509	Staphylococcus aureus	Staphylococcus aureus aureus RN4220
877	clique	2537561525	Staphylococcus aureus	Staphylococcus aureus aureus CIG1213
877	clique	647533211	Staphylococcus aureus	Staphylococcus aureus aureus 55/2053
877	clique	645951803	Staphylococcus aureus	Staphylococcus aureus aureus 132
877	clique	2531839045	Staphylococcus aureus	Staphylococcus aureus aureus CIG1835
877	clique	647533224	Staphylococcus aureus	Staphylococcus aureus aureus M1015
877	clique	647533229	Staphylococcus aureus	Staphylococcus aureus aureus WW2703/97
877	clique	647000322	Staphylococcus aureus	Staphylococcus aureus aureus MR1
877	clique	2545824657	Staphylococcus aureus	Staphylococcus aureus M1193
877	clique	2531839612	Staphylococcus aureus	Staphylococcus aureus aureus 21266
877	clique	2537561553	Staphylococcus aureus	Staphylococcus aureus aureus CO-23
877	clique	2521172729	Staphylococcus aureus	Staphylococcus aureus aureus CIG1267
877	clique	2537561523	Staphylococcus aureus	Staphylococcus aureus aureus CIG1770
877	clique	645951839	Staphylococcus aureus	Staphylococcus aureus A8115
877	clique	2551306501	Staphylococcus aureus	Staphylococcus aureus 3957

877	clique	2545824752	Staphylococcus aureus	Staphylococcus aureus aureus CBD-635
877	clique	2513237252	Staphylococcus aureus	Staphylococcus aureus aureus HO 5096 0412
877	clique	2545824660	Staphylococcus aureus	Staphylococcus aureus M0075
877	clique	2541047114	Staphylococcus aureus	Staphylococcus aureus aureus MRGR3
877	clique	645058726	Staphylococcus aureus	Staphylococcus aureus aureus Mu50-omega
877	clique	646862342	Staphylococcus aureus	Staphylococcus aureus 04-02981
877	clique	647533213	Staphylococcus aureus	Staphylococcus aureus aureus 65-1322
877	clique	645951801	Staphylococcus aureus	Staphylococcus aureus A5948
877	clique	2531839617	Staphylococcus aureus	Staphylococcus aureus aureus 21264
877	clique	2534681739	Staphylococcus aureus	Staphylococcus aureus O11
877	clique	637000274	Staphylococcus aureus	Staphylococcus aureus aureus MRSA252
877	clique	2537561706	Staphylococcus aureus	Staphylococcus aureus aureus IS-125
877	clique	2534681805	Staphylococcus aureus	Staphylococcus aureus aureus 21334
877	clique	2519899731	Staphylococcus aureus	Staphylococcus aureus CN79
877	clique	637000280	Staphylococcus aureus	Staphylococcus aureus aureus USA300
877	clique	647000319	Staphylococcus aureus	Staphylococcus aureus A9765
877	clique	2537562146	Staphylococcus aureus	Staphylococcus aureus aureus 21232
877	clique	2529292931	Staphylococcus aureus	Staphylococcus aureus aureus VRS1
877	clique	2531839090	Staphylococcus aureus	Staphylococcus aureus aureus IS-160
877	clique	648231717	Staphylococcus aureus	Staphylococcus aureus aureus JKD6159
877	clique	2537562050	Staphylococcus aureus	Staphylococcus aureus aureus 21283
877	clique	2534681800	Staphylococcus aureus	Staphylococcus aureus aureus 21342
877	clique	2537561698	Staphylococcus aureus	Staphylococcus aureus aureus IS-24
877	clique	2537562175	Staphylococcus aureus	Staphylococcus aureus aureus CGS01
877	clique	2548876849	Staphylococcus aureus	Staphylococcus aureus aureus GR1
877	clique	2531839551	Staphylococcus aureus	Staphylococcus aureus aureus MRSA131
877	clique	2545824670	Staphylococcus aureus	Staphylococcus aureus M1407
877	clique	2513237206	Staphylococcus aureus	Staphylococcus aureus aureus 71193
877	clique	2531839047	Staphylococcus aureus	Staphylococcus aureus aureus CIG1096
877	clique	641736191	Staphylococcus aureus	Staphylococcus aureus aureus USA300_TCH959
878	clique	2523533502	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:i2
878	clique	2521172671	Pseudomonas sp.	Pseudomonas sp. LAMO17WK12:i1
879	clique	644736324	Aggregatibacter aphrophilus	Aggregatibacter aphrophilus NJ8700
879	clique	2537561617	Aggregatibacter aphrophilus	Aggregatibacter aphrophilus F0387
879	clique	2537561844	Aggregatibacter aphrophilus	Aggregatibacter aphrophilus 320, ATCC 33389
880	clique	643348516	Bifidobacterium longum	Bifidobacterium longum infantis ATCC 15697
880	clique	651053007	Bifidobacterium longum	Bifidobacterium longum infantis JCM 1222
881	clique	2513237133	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique HTCC1040
881	clique	637000058	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique SAR11 HTCC1062
881	clique	251643128	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique HTCC1016
881	clique	2511231042	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique SAR11 HTCC1013
881	clique	638341056	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique SAR11 HTCC1002
882	clique	2548876635	Streptococcus sobrinus	Streptococcus sobrinus TCI-349
882	clique	2548876650	Streptococcus sobrinus	Streptococcus sobrinus TCI-348
882	clique	2548876637	Streptococcus sobrinus	Streptococcus sobrinus TCI-376
882	clique	649990005	Streptococcus downei	Streptococcus downei F0415
882	clique	2548876632	Streptococcus sobrinus	Streptococcus sobrinus TCI-374
883	clique-group	2534682185	Helicobacter pylori	Helicobacter pylori HP260AFi
883	clique-group	2537562042	Helicobacter pylori	Helicobacter pylori Hp P-13
883	clique-group	2529293156	Helicobacter pylori	Helicobacter pylori HP250AFiV
883	clique-group	2537562037	Helicobacter pylori	Helicobacter pylori Hp P-26
883	clique-group	2534681716	Helicobacter pylori	Helicobacter pylori Hp M1
883	clique-group	2534682278	Helicobacter pylori	Helicobacter pylori GAMchJs106B
883	clique-group	2529292956	Helicobacter pylori	Helicobacter pylori GAM115Ai
883	clique-group	2526164584	Helicobacter pylori	Helicobacter pylori Hp P-28b
883	clique-group	2526164582	Helicobacter pylori	Helicobacter pylori Hp P-25c
883	clique-group	2534682271	Helicobacter pylori	Helicobacter pylori GAM268Bii
883	clique-group	2534681975	Helicobacter pylori	Helicobacter pylori GAM231Ai
883	clique-group	2537562094	Helicobacter pylori	Helicobacter pylori Hp H-1
883	clique-group	2537562096	Helicobacter pylori	Helicobacter pylori Hp H-4
883	clique-group	2537561955	Helicobacter pylori	Helicobacter pylori Hp H-29
883	clique-group	2529292958	Helicobacter pylori	Helicobacter pylori GAM112Ai
883	clique-group	2534682257	Helicobacter pylori	Helicobacter pylori Hp P-2b
883	clique-group	2529293159	Helicobacter pylori	Helicobacter pylori GAMchJs114i
883	clique-group	2529293160	Helicobacter pylori	Helicobacter pylori HP250AFiii
883	clique-group	2534682276	Helicobacter pylori	Helicobacter pylori GAM83Bi
883	clique-group	2531839713	Helicobacter pylori	Helicobacter pylori Hp H-5b
883	clique-group	2534682183	Helicobacter pylori	Helicobacter pylori HP250BFiV
883	clique-group	2534681973	Helicobacter pylori	Helicobacter pylori GAM201Ai
883	clique-group	2534682269	Helicobacter pylori	Helicobacter pylori GAM42Ai
883	clique-group	2531839606	Helicobacter pylori	Helicobacter pylori Hp P-4
883	clique-group	637000134	Helicobacter pylori	Helicobacter pylori J99
883	clique-group	650377949	Helicobacter pylori	Helicobacter pylori Gambia94/24
883	clique-group	2534681957	Helicobacter pylori	Helicobacter pylori Hp P-2
883	clique-group	2537562141	Helicobacter pylori	Helicobacter pylori Hp P-13b
883	clique-group	2534682177	Helicobacter pylori	Helicobacter pylori HP260ASii
883	clique-group	2540341010	Helicobacter pylori	Helicobacter pylori Hp M5
883	clique-group	2531839711	Helicobacter pylori	Helicobacter pylori Hp H-24b
883	clique-group	2534682048	Helicobacter pylori	Helicobacter pylori Hp A-20
883	clique-group	2534682275	Helicobacter pylori	Helicobacter pylori GAM80Ai
883	clique-group	2537562138	Helicobacter pylori	Helicobacter pylori Hp P-4d
883	clique-group	2529293118	Helicobacter pylori	Helicobacter pylori Hp H-30

883	clique-group	2529293163	Helicobacter pylori	Helicobacter pylori GAMchJs136i
883	clique-group	2534681971	Helicobacter pylori	Helicobacter pylori GAM246Ai
883	clique-group	2531839608	Helicobacter pylori	Helicobacter pylori Hp H-34
883	clique-group	2540341011	Helicobacter pylori	Helicobacter pylori Hp M4
883	clique-group	2534682182	Helicobacter pylori	Helicobacter pylori HP250BFiii
883	clique-group	2529293263	Helicobacter pylori	Helicobacter pylori GAM264Ai
883	clique-group	2534682105	Helicobacter pylori	Helicobacter pylori GAM100Ai
883	clique-group	2531839712	Helicobacter pylori	Helicobacter pylori Hp H-24c
883	clique-group	2529293255	Helicobacter pylori	Helicobacter pylori GAM260ASi
883	clique-group	2540341015	Helicobacter pylori	Helicobacter pylori Hp M6
883	clique-group	2534682273	Helicobacter pylori	Helicobacter pylori GAM83T
883	clique-group	2537562136	Helicobacter pylori	Helicobacter pylori Hp P-1b
883	clique-group	2534682180	Helicobacter pylori	Helicobacter pylori HP250BFi
883	clique-group	2541047162	Helicobacter pylori	Helicobacter pylori GAM117Ai
883	clique-group	2529293261	Helicobacter pylori	Helicobacter pylori GAM252T
883	clique-group	2537562100	Helicobacter pylori	Helicobacter pylori Hp H-10
883	clique-group	2537562103	Helicobacter pylori	Helicobacter pylori Hp H-18
883	clique-group	2537561953	Helicobacter pylori	Helicobacter pylori Hp H-42
883	clique-group	2534681968	Helicobacter pylori	Helicobacter pylori GAM239Bi
883	clique-group	2529292961	Helicobacter pylori	Helicobacter pylori GAM101Biv
883	clique-group	2540341013	Helicobacter pylori	Helicobacter pylori Hp M2
883	clique-group	2529292963	Helicobacter pylori	Helicobacter pylori GAM119Bi
883	clique-group	2534681976	Helicobacter pylori	Helicobacter pylori GAM249T
883	clique-group	2526164639	Helicobacter pylori	Helicobacter pylori Hp A-5
883	clique-group	2537561780	Helicobacter pylori	Helicobacter pylori Hp A-8
883	clique-group	2531839322	Helicobacter pylori	Helicobacter pylori Hp H-21
883	clique-group	648231708	Helicobacter pylori	Helicobacter pylori 908
883	clique-group	2529292957	Helicobacter pylori	Helicobacter pylori GAM114Ai
883	clique-group	2529293114	Helicobacter pylori	Helicobacter pylori Hp H-41
883	clique-group	2534682186	Helicobacter pylori	Helicobacter pylori HP260AFii
883	clique-group	2529293161	Helicobacter pylori	Helicobacter pylori HP250AFii
883	clique-group	2529293259	Helicobacter pylori	Helicobacter pylori GAM250T
883	clique-group	2531839603	Helicobacter pylori	Helicobacter pylori Hp P-1
883	clique-group	2534681974	Helicobacter pylori	Helicobacter pylori GAM210Bi
883	clique-group	2526164640	Helicobacter pylori	Helicobacter pylori Hp A-4
883	clique-group	2534682277	Helicobacter pylori	Helicobacter pylori GAM96Ai
883	clique-group	2529293254	Helicobacter pylori	Helicobacter pylori GAM260Bi
883	clique-group	2529293155	Helicobacter pylori	Helicobacter pylori HP250ASi
883	clique-group	2526164583	Helicobacter pylori	Helicobacter pylori Hp P-25d
883	clique-group	2534682270	Helicobacter pylori	Helicobacter pylori GAM71Ai
883	clique-group	2537562095	Helicobacter pylori	Helicobacter pylori Hp H-3
883	clique-group	2534682178	Helicobacter pylori	Helicobacter pylori HP260BFii
883	clique-group	2537561958	Helicobacter pylori	Helicobacter pylori Hp H-16
883	clique-group	2537562142	Helicobacter pylori	Helicobacter pylori Hp P-11b
883	clique-group	2534682181	Helicobacter pylori	Helicobacter pylori HP250BFii
883	clique-group	2534682198	Helicobacter pylori	Helicobacter pylori CCHI 33
883	clique-group	2529293257	Helicobacter pylori	Helicobacter pylori GAM260BSi
883	clique-group	2529293157	Helicobacter pylori	Helicobacter pylori GAMchJs124i
883	clique-group	2537562043	Helicobacter pylori	Helicobacter pylori Hp P-11
883	clique-group	2534682184	Helicobacter pylori	Helicobacter pylori HP250BSi
883	clique-group	2529293158	Helicobacter pylori	Helicobacter pylori GAMchJs117Ai
883	clique-group	2529293116	Helicobacter pylori	Helicobacter pylori Hp H-36
883	clique-group	2537562139	Helicobacter pylori	Helicobacter pylori Hp P-4c
883	clique-group	2529292955	Helicobacter pylori	Helicobacter pylori GAM118Bi
883	clique-group	651053029	Helicobacter pylori	Helicobacter pylori 2017
883	clique-group	2529293258	Helicobacter pylori	Helicobacter pylori GAM252Bi
883	clique-group	2529293162	Helicobacter pylori	Helicobacter pylori HP116Bi
883	clique-group	2531839605	Helicobacter pylori	Helicobacter pylori Hp P-3
883	clique-group	2534681972	Helicobacter pylori	Helicobacter pylori GAM121Aii
883	clique-group	2531839715	Helicobacter pylori	Helicobacter pylori Hp P-41
883	clique-group	2537561771	Helicobacter pylori	Helicobacter pylori Hp H-44
883	clique-group	2537562140	Helicobacter pylori	Helicobacter pylori Hp P-8b
883	clique-group	2531839321	Helicobacter pylori	Helicobacter pylori Hp H-19
883	clique-group	651053030	Helicobacter pylori	Helicobacter pylori 2018
883	clique-group	2537562137	Helicobacter pylori	Helicobacter pylori Hp P-3b
883	clique-group	2540341014	Helicobacter pylori	Helicobacter pylori Hp M9
883	clique-group	2534682274	Helicobacter pylori	Helicobacter pylori GAM93Bi
883	clique-group	2529293260	Helicobacter pylori	Helicobacter pylori GAM254Ai
883	clique-group	2531839607	Helicobacter pylori	Helicobacter pylori Hp H-23
883	clique-group	2534681970	Helicobacter pylori	Helicobacter pylori GAM245Ai
883	clique-group	2529293256	Helicobacter pylori	Helicobacter pylori GAM263Bfi
883	clique-group	2537561775	Helicobacter pylori	Helicobacter pylori Hp A-16
883	clique-group	2529292959	Helicobacter pylori	Helicobacter pylori GAM105Ai
883	clique-group	2534681969	Helicobacter pylori	Helicobacter pylori GAM244Ai
883	clique-group	2529292960	Helicobacter pylori	Helicobacter pylori GAM103Bi
883	clique-group	2540341012	Helicobacter pylori	Helicobacter pylori Hp M3
883	clique-group	2534682272	Helicobacter pylori	Helicobacter pylori GAM270ASi
883	clique-group	2529292962	Helicobacter pylori	Helicobacter pylori GAM120Ai
883	clique-group	2529293122	Helicobacter pylori	Helicobacter pylori Hp H-24
883	clique-group	2537561781	Helicobacter pylori	Helicobacter pylori Hp A-6
883	clique-group	2534682049	Helicobacter pylori	Helicobacter pylori Hp A-17
883	clique-group	2534681977	Helicobacter pylori	Helicobacter pylori GAM250AFi

883	clique-group	2534681995	Helicobacter pylori	Helicobacter pylori HP260Bi
883	clique-group	2534682179	Helicobacter pylori	Helicobacter pylori HP250ASii
883	clique-group	2537562038	Helicobacter pylori	Helicobacter pylori Hp P-25
883	clique-group	2529293262	Helicobacter pylori	Helicobacter pylori GAM265BSii
883	clique-group	2531839609	Helicobacter pylori	Helicobacter pylori Hp P-8
884	clique	641522639	Methylobacterium sp.	Methylobacterium sp. 4-46
884	clique	2545555834	Methylobacterium sp.	Methylobacterium sp. WSM2598
885	clique	640963057	Ruminococcus gnavus	Ruminococcus gnavus ATCC 29149
885	clique	651324049	unclassified	Lachnospiraceae bacterium 2_1_58FAA
886	clique	649989909	Bacillus sp.	Bacillus sp. 2_A_57_CT2
886	clique	2551306096	Bacillus oceanisediminis	Bacillus oceanisediminis 2691
887	clique	641522609	Burkholderia cenocepacia	Burkholderia cenocepacia MCO-3
887	clique	639633014	Burkholderia cenocepacia	Burkholderia cenocepacia HI2424
887	clique	638341024	Burkholderia cenocepacia	Burkholderia cenocepacia PC184
887	clique	637000046	Burkholderia cenocepacia	Burkholderia cenocepacia AU 1054
888	clique-group	2547132271	Escherichia sp.	Escherichia sp. TW09276
888	clique-group	2541047874	Escherichia coli	Escherichia coli KOEGE 71 (186a)
888	clique-group	2547132274	Escherichia sp.	Escherichia sp. TW14182
888	clique-group	2547132272	Escherichia sp.	Escherichia sp. TW09231
889	clique	2512047075	Streptococcus urinalis	Streptococcus urinalis 2285-97
889	clique	2531839534	Streptococcus urinalis	Streptococcus urinalis FB127-CNA-2
890	clique-group	638341037	Burkholderia pseudomallei	Burkholderia pseudomallei 1710a
890	clique-group	638341028	Burkholderia mallei	Burkholderia mallei 2002721280
890	clique-group	2551306635	Burkholderia pseudomallei	Burkholderia pseudomallei LMF
890	clique-group	637000048	Burkholderia mallei	Burkholderia mallei ATCC 23344
890	clique-group	2554235010	Burkholderia pseudomallei	Burkholderia pseudomallei HBPU10303a
890	clique-group	2554235374	Burkholderia pseudomallei	Burkholderia pseudomallei NCTC 13179
890	clique-group	638341035	Burkholderia pseudomallei	Burkholderia pseudomallei 1106b
890	clique-group	640069305	Burkholderia pseudomallei	Burkholderia pseudomallei 1106a
890	clique-group	2551306633	Burkholderia pseudomallei	Burkholderia pseudomallei NCTC 13392
890	clique-group	2554235024	Burkholderia pseudomallei	Burkholderia pseudomallei CS
890	clique-group	2545824687	Burkholderia pseudomallei	Burkholderia pseudomallei MSHR1043
890	clique-group	2551306690	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	2551306631	Burkholderia pseudomallei	Burkholderia pseudomallei OS
890	clique-group	2551306689	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	2551306697	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	2551306630	Burkholderia pseudomallei	Burkholderia pseudomallei CMS
890	clique-group	641736199	Burkholderia mallei	Burkholderia mallei PRL-20
890	clique-group	2554235004	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	640069303	Burkholderia mallei	Burkholderia mallei NCTC 10229
890	clique-group	2551306687	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	2551306692	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	641736118	Burkholderia pseudomallei	Burkholderia pseudomallei NCTC 13177
890	clique-group	2537561800	Burkholderia pseudomallei	Burkholderia pseudomallei 354a
890	clique-group	2551306637	Burkholderia pseudomallei	Burkholderia pseudomallei MARAN
890	clique-group	641736126	Burkholderia pseudomallei	Burkholderia pseudomallei B7210
890	clique-group	638341031	Burkholderia mallei	Burkholderia mallei JHU
890	clique-group	638341041	Burkholderia pseudomallei	Burkholderia pseudomallei S13
890	clique-group	2551306629	Burkholderia pseudomallei	Burkholderia pseudomallei THE
890	clique-group	2531839405	Burkholderia pseudomallei	Burkholderia pseudomallei 1258b
890	clique-group	2551306694	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	643886077	Burkholderia pseudomallei	Burkholderia pseudomallei Pakistan 9
890	clique-group	2547132245	Burkholderia pseudomallei	Burkholderia pseudomallei Bp22
890	clique-group	638341040	Burkholderia pseudomallei	Burkholderia pseudomallei Pasteur
890	clique-group	638341029	Burkholderia mallei	Burkholderia mallei FMH
890	clique-group	637000049	Burkholderia pseudomallei	Burkholderia pseudomallei 1710b
890	clique-group	638341030	Burkholderia mallei	Burkholderia mallei GB8 horse 4
890	clique-group	641736125	Burkholderia pseudomallei	Burkholderia pseudomallei 7894
890	clique-group	637000050	Burkholderia pseudomallei	Burkholderia pseudomallei K96243
890	clique-group	2531839407	Burkholderia pseudomallei	Burkholderia pseudomallei 1026a
890	clique-group	640069306	Burkholderia pseudomallei	Burkholderia pseudomallei 668
890	clique-group	2521172686	Burkholderia pseudomallei	Burkholderia pseudomallei BPC006
890	clique-group	2513237222	Burkholderia pseudomallei	Burkholderia pseudomallei 1026b
890	clique-group	2519899768	Burkholderia pseudomallei	Burkholderia pseudomallei MSHR346
890	clique-group	638341038	Burkholderia pseudomallei	Burkholderia pseudomallei 406e
890	clique-group	642979333	Burkholderia pseudomallei	Burkholderia pseudomallei 576
890	clique-group	638341036	Burkholderia pseudomallei	Burkholderia pseudomallei 1655
890	clique-group	2554235013	Burkholderia pseudomallei	Burkholderia pseudomallei 406e
890	clique-group	2551306632	Burkholderia pseudomallei	Burkholderia pseudomallei VEL
890	clique-group	638341027	Burkholderia mallei	Burkholderia mallei 10399
890	clique-group	640069304	Burkholderia mallei	Burkholderia mallei NCTC 10247
890	clique-group	2519103078	Burkholderia pseudomallei	Burkholderia pseudomallei 354e
890	clique-group	2554235014	Burkholderia pseudomallei	Burkholderia pseudomallei MSHR5858
890	clique-group	2554235019	Burkholderia pseudomallei	Burkholderia pseudomallei HBPU10134a
890	clique-group	2551306691	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	641736117	Burkholderia pseudomallei	Burkholderia pseudomallei BCC215
890	clique-group	2554235016	Burkholderia pseudomallei	Burkholderia pseudomallei MSHR5848
890	clique-group	641736119	Burkholderia pseudomallei	Burkholderia pseudomallei 112
890	clique-group	2531839406	Burkholderia pseudomallei	Burkholderia pseudomallei 1258a
890	clique-group	2551306636	Burkholderia pseudomallei	Burkholderia pseudomallei OB
890	clique-group	2551306693	Burkholderia pseudomallei	Burkholderia pseudomallei
890	clique-group	639633015	Burkholderia mallei	Burkholderia mallei SAVP1

890	clique-group	640612222	Burkholderia pseudomallei	Burkholderia pseudomallei MSHR305
890	clique-group	2551306640	Burkholderia pseudomallei	Burkholderia pseudomallei CB
891	clique	651324073	Methyloversatilis universalis	Methyloversatilis universalis FAM5
891	clique	2515154210	Methyloversatilis universalis	Methyloversatilis universalis Fam500
892	clique	637000174	Mycoplasma capricolum	Mycoplasma capricolum capricolum ATCC 27343
892	clique	2547132072	Mycoplasma capricolum	Mycoplasma capricolum capripneumoniae M1601
893	clique	646564517	Candidatus Riesia pediculicola	Candidatus Riesia pediculicola USDA
893	clique	2510065001	Arsenophonus pediculi	Arsenophonus pediculi ArP
894	clique	2529293195	Leuconostoc citreum	Leuconostoc citreum LBAE E16
894	clique	2529292924	Leuconostoc citreum	Leuconostoc citreum LBAE C11
894	clique	641522636	Leuconostoc citreum	Leuconostoc citreum KM20
894	clique	2529293188	Leuconostoc citreum	Leuconostoc citreum LBAE C10
895	clique-group	641736262	Listeria monocytogenes	Listeria monocytogenes FSL J2-071
895	clique-group	651053042	Listeria monocytogenes	Listeria monocytogenes M7
895	clique-group	650377957	Listeria monocytogenes	Listeria monocytogenes 4a L99
895	clique-group	2540341108	Listeria monocytogenes	Listeria monocytogenes SLCC2376
895	clique-group	643348561	Listeria monocytogenes	Listeria monocytogenes HCC23
896	clique	2523533596	Teredinibacter turnerae	Teredinibacter turnerae T8513
896	clique	2524614873	Teredinibacter sp.	Teredinibacter sp. 991H.S.0a.06
896	clique	2519899664	Teredinibacter turnerae	Teredinibacter turnerae T8412
896	clique	2513237099	Teredinibacter turnerae	Teredinibacter turnerae T7902
896	clique	2519899663	Teredinibacter turnerae	Teredinibacter turnerae T0609
897	clique	2521172619	Phaeobacter daeponensis	Phaeobacter daeponensis TF-218, DSM 23529 (scaffold version)
897	clique	647533203	unclassified	Rhodobacterales sp. Y4I
898	clique	637000308	Synechococcus elongatus	Synechococcus elongatus PCC 7942
898	clique	637000307	Synechococcus elongatus	Synechococcus elongatus PCC 6301
899	clique	2521172647	Pseudomonas thermotolerans	Pseudomonas thermotolerans DSM 14292
899	clique	2509276011	Pseudomonas thermotolerans	Pseudomonas thermotolerans J53
900	clique	2541046992	Bacteroides stercoris	Bacteroides stercoris CC31F
900	clique	641736196	Bacteroides stercoris	Bacteroides stercoris ATCC 43183
901	clique	2531839488	Mycobacterium hassiacum	Mycobacterium hassiacum DSM 44199
901	clique	2515154012	Mycobacterium hassiacum	Mycobacterium hassiacum DSM 44199
902	clique	644736355	Dickeya zeae	Dickeya zeae Ech1591
902	clique	2551306348	Dickeya sp.	Dickeya chrysanthemi NCPPB 516
903	clique	2518645619	Sporolactobacillus vineae	Sporolactobacillus vineae DSM 21990
903	clique	2551306548	Sporolactobacillus vineae	Sporolactobacillus vineae SL153, DSM 21990
904	clique	2534681768	Streptococcus ratti	Streptococcus ratti FA-1
904	clique	2534682097	Streptococcus ratti	Streptococcus ratti FA-1
905	clique	2540341130	Morganella morganii	Morganella morganii morganii KT
905	clique	2531839653	Morganella morganii	Morganella morganii SC01
906	clique	651324025	Dialister microaerophilus	Dialister microaerophilus DSM 19965
906	clique	649989928	Dialister microaerophilus	Dialister microaerophilus UPII-345-E
907	clique	2524614594	Sporomusa ovata	Sporomusa ovata DSM 2662
907	clique	2521172556	Sporomusa ovata	Sporomusa ovata H1, DSM 2662
908	clique	645058761	Anaerococcus vaginalis	Anaerococcus vaginalis ATCC 51170
908	clique	2548876840	Anaerococcus sp.	Anaerococcus sp. ph10
909	clique	2541047079	Aeromonas hydrophila	Aeromonas hydrophila ML09-119
909	clique	2551306417	Aeromonas hydrophila	Aeromonas hydrophila SNUFPC-A8
909	clique	639633004	Aeromonas hydrophila	Aeromonas hydrophila hydrophila ATCC 7966
910	clique	2524614654	Solobacterium moorei	Solobacterium moorei DSM 22971
910	clique	649989999	Solobacterium moorei	Solobacterium moorei F0204
911	clique	649989944	Eremococcus coleocola	Eremococcus coleocola ACS-139-V-Col8
911	clique	2524614563	Eremococcus coleocola	Eremococcus coleocola DSM 15696
912	clique	2551306420	Herbaspirillum huttiense	Herbaspirillum huttiense putei IAM 15032
912	clique	2551306658	unclassified	Herbaspirillum sp. B39
913	clique	2511231073	Mycoplasma suis	Mycoplasma suis KI_3806
913	clique	650716064	Mycoplasma suis	Mycoplasma suis Illinois
914	clique	2517093041	unclassified	Rhodocyclaceae bacterium RZ94
914	clique	2516653080	Methyloversatilis sp.	Methyloversatilis sp. FAM1
915	clique	2547132368	Leptospira licherasiae	Leptospira licherasiae sv Varillal MMD0835
915	clique	2519899831	Leptospira licherasiae	Leptospira licherasiae MMD4847
915	clique	2545555867	Leptospira licherasiae	Leptospira licherasiae ATCC BAA-1110
915	clique	2537561870	Leptospira licherasiae	Leptospira licherasiae sv. Varillal VAR 010
916	clique	2506520015	Sulfobacillus acidophilus	Sulfobacillus acidophilus NAL, DSM 10332
916	clique	2510917010	Sulfobacillus acidophilus	Sulfobacillus acidophilus TPY
917	clique	2506783021	Pseudomonas syringae	Pseudomonas syringae CC1524 (CC1524)
917	clique	2506783030	Pseudomonas syringae	Pseudomonas syringae CC1417 (CC1417)
918	clique	2517287021	unclassified	Thiomicrospira sp. Kp2
918	clique	2503538029	unclassified	Thiomicrospira sp. KP2
919	clique	642979331	Helicobacter pylori	Helicobacter pylori B128
919	clique	649633055	Helicobacter pylori	Helicobacter pylori B8
920	clique	649989988	Prevotella oralis	Prevotella oralis ATCC 33269
920	clique	2541047008	Prevotella oralis	Prevotella oralis HGA0225
921	clique	2513237396	Oribacterium sp.	Oribacterium sp. ACB1
921	clique	2531839271	Oribacterium sp.	Oribacterium sp. ACB8
922	clique	2517572075	unclassified	Rhodobacterales sp. HTCC2255 (original sequence, contaminants removed)
922	clique	2236347008	unclassified	alpha proteobacterium SCGC AAA076-C03
923	clique	2527291701	Paracoccus sp.	Paracoccus sp. J56
923	clique	651324082	Paracoccus sp.	Paracoccus sp. TRP
924	clique	2508501044	Saccharomonospora azurea	Saccharomonospora azurea NA-128, DSM 44631
924	clique	2519103058	Saccharomonospora azurea	Saccharomonospora azurea SZMC 14600
925	clique	2517572207	Paenibacillus polymyxa	Paenibacillus polymyxa M1

925	clique	649633079	Paenibacillus polymyxa	Paenibacillus polymyxa SC2
926	clique	2519103075	Bacillus cereus	Bacillus cereus BAG2X1-1
926	clique	2519103072	Bacillus cereus	Bacillus cereus BAG2X1-3
927	clique	2526164711	Desulfovibrio africanus	Desulfovibrio africanus DSM 2603
927	clique	2503754016	Desulfovibrio africanus	Desulfovibrio africanus Walvis Bay (October 2010 draft)
928	clique	2523533599	Alloscardovia omnicolens	Alloscardovia omnicolens DSM 21503
928	clique	2541047096	Alloscardovia omnicolens	Alloscardovia omnicolens F0580
929	clique	2548876894	Streptococcus agalactiae	Streptococcus agalactiae LMG 14747
929	clique	2524614633	Streptococcus hyovaginalis	Streptococcus hyovaginalis DSM 12219
930	clique	2541047091	Ralstonia solanacearum	Ralstonia solanacearum MolK2
930	clique	651053062	Ralstonia solanacearum	Ralstonia solanacearum Po82
930	clique	638341168	Ralstonia solanacearum	Ralstonia solanacearum UW551
931	clique	2527291523	unclassified	Cloacimonetes bacterium JGI 0000014-H19 (Combined_Assembly_WWE1_4_WWE1)
931	clique	2264867267	unclassified	Cloacimonetes bacterium JGI 0000014-K11 (Etoliko_001_276)
932	clique	650716018	Candidatus Tremblaya princeps	Candidatus Tremblaya princeps PCIT
932	clique	2511231192	Candidatus Tremblaya princeps	Candidatus Tremblaya princeps PCVAL
933	clique	650377940	Faecalibacterium prausnitzii	Faecalibacterium prausnitzii SL3/3
933	clique	641380420	Faecalibacterium prausnitzii	Faecalibacterium prausnitzii M21/2
934	clique	646564584	Thioalkalivibrio sp.	Thioalkalivibrio sp. K90mix
934	clique	2519899690	Thioalkalivibrio sp.	Thioalkalivibrio sp. HL-Eb18
935	clique	2551306540	Methylobacterium sp.	Methylobacterium sp. B34
935	clique	2521172632	Methylobacterium sp.	Methylobacterium sp. 285MFTsu.1
936	clique	2551306149	Burkholderia thailandensis	Burkholderia thailandensis MSMB43
936	clique	2540341176	Burkholderia thailandensis	Burkholderia thailandensis MSMB121
936	clique	641736127	Burkholderia thailandensis	Burkholderia thailandensis MSMB43
937	clique	2529292881	Eubacterium saburreum	Eubacterium saburreum F0468
937	clique	649989950	Eubacterium saburreum	Eubacterium saburreum DSM 3986
938	clique	2513237367	Clostridium sp.	Clostridium sp. 7_3_54FAA
938	clique	649989922	Clostridium symbiosum	Clostridium symbiosum WAL-14163
938	clique	649989923	Clostridium symbiosum	Clostridium symbiosum WAL-14673
939	clique	2503242005	unclassified	Chloroflexi bacterium T81
939	clique	2506210023	Chloroflexus sp.	Chloroflexus sp. T88 (Newbler 2.3 assembly)
940	clique	2522125132	Arthrobacter nicotinovorans	Arthrobacter nicotinovorans 26Cv1.1E
940	clique	2523533508	Arthrobacter nicotinovorans	Arthrobacter nicotinovorans 231Sha2.1M6
941	clique	651324105	Streptomyces clavuligerus	Streptomyces clavuligerus ATCC 27064
941	clique	647533233	Streptomyces clavuligerus	Streptomyces clavuligerus ATCC 27064
941	clique	2502894011	Streptomyces clavuligerus	Streptomyces clavuligerus ATCC 27064 (pseudochromosome_reference_new)
942	clique	2529292971	Aggregatibacter actinomycetemcomitans	Aggregatibacter actinomycetemcomitans sv e SC1083
942	clique	2519899807	Aggregatibacter actinomycetemcomitans	Aggregatibacter actinomycetemcomitans RhAA1
943	clique	645058788	Bacteroides fragilis	Bacteroides fragilis 3_1_12
943	clique	2534681945	Bacteroides fragilis	Bacteroides fragilis HMW 616
943	clique	2534681943	Bacteroides fragilis	Bacteroides fragilis HMW 610
944	clique	2524614559	Streptomyces sp.	Streptomyces sp. CNT318
944	clique	2551306127	Streptomyces sp.	Streptomyces sp. AA1529
945	clique	2551306371	Pseudoxanthomonas sp.	Pseudoxanthomonas sp. GW2
945	clique	2510065064	Pseudoxanthomonas sp.	Pseudoxanthomonas sp. J31
945	clique	2505679064	Pseudoxanthomonas taiwanensis	Pseudoxanthomonas taiwanensis J19
946	clique	2516653073	Halomicrobium katesii	Halomicrobium katesii DSM 19301
946	clique	644736372	Halomicrobium mukohataei	Halomicrobium mukohataei arg-2, DSM 12286
947	clique	650716050	Melissococcus plutonius	Melissococcus plutonius ATCC 35311
947	clique	2512564044	Melissococcus plutonius	Melissococcus plutonius DAT561
948	clique	2531839301	Bacteroides cellulosilyticus	Bacteroides cellulosilyticus CLO2T12C19
948	clique	643886111	Bacteroides cellulosilyticus	Bacteroides cellulosilyticus DSM 14838
948	clique	2548877171	Bacteroides sp.	Bacteroides sp. 14(A)
949	clique	2513237356	Eubacterium sp.	Eubacterium sp. CM2
949	clique	2531839269	Eubacteriaceae bacterium sp.	Eubacteriaceae bacterium sp. OBRC8
950	clique	2541047043	Leptospira alstoni	Leptospira alstoni sv. Sichuan 79601
950	clique	2541047557	Leptospira alstoni	Leptospira alstoni sv. Pingchang 80-412
951	clique	2522125017	Arenimonas sp.	Arenimonas sp. JGI 0001004-M15
951	clique	2522125026	Lysobacter sp.	Lysobacter sp. JGI 0001004-P07
951	clique	2522572056	Rhizobacter sp.	Rhizobacter sp. JGI 0001007-A16
952	clique	642979317	Providencia alcalifaciens	Providencia alcalifaciens DSM 30120
952	clique	2531839508	Providencia alcalifaciens	Providencia alcalifaciens Dmel2
953	clique	649990006	Streptococcus equinus	Streptococcus equinus ATCC 9812
953	clique	2524614842	Streptococcus bovis	Streptococcus bovis SN033
953	clique	2524614859	Streptococcus bovis	Streptococcus bovis B315
954	clique	2524023164	Laribacter hongkongensis	Laribacter hongkongensis DSM 14985
954	clique	643692026	Laribacter hongkongensis	Laribacter hongkongensis HLHK9
955	clique	643348541	Acidovorax ebreus	Acidovorax ebreus TPSY
955	clique	639633003	Acidovorax sp.	Acidovorax sp. JS42
956	clique	2513237350	Prevotella maculosa	Prevotella maculosa OT 289
956	clique	2521172638	Prevotella maculosa	Prevotella maculosa DSM 19339
957	clique	649633089	Rhodococcus equi	Rhodococcus equi 103S
957	clique	647000305	Rhodococcus equi	Rhodococcus equi ATCC 33707
958	clique	2537562121	Lactobacillus equicursoris	Lactobacillus equicursoris CIP 110162
958	clique	2534682224	Lactobacillus sp.	Lactobacillus sp. 66c
959	clique	2506520023	Dechloromonas agitata	Dechloromonas agitata CKB
959	clique	2528768215	Dechloromonas agitata	Dechloromonas agitata is5
960	clique	2541047028	Ralstonia sp.	Ralstonia sp. GA3-3
960	clique	640427136	Ralstonia eutropha	Ralstonia eutropha H16
961	clique	2513237317	Ralstonia sp.	Ralstonia sp. 5_2_56FAA
961	clique	649989994	Ralstonia sp.	Ralstonia sp. 5_7_47FAA

962	clique	2541048000	<i>Gluconobacter thailandicus</i>	<i>Gluconobacter thailandicus</i> NBRC 3255
962	clique	2540341122	<i>Gluconobacter oxydans</i>	<i>Gluconobacter oxydans</i> H24
962	clique	2548876783	<i>Gluconobacter oxydans</i>	<i>Gluconobacter oxydans</i> WSH-003
963	clique	644736348	<i>Cyanotheca</i> sp.	<i>Cyanotheca</i> sp. PCC 8802
963	clique	643348535	<i>Cyanotheca</i> sp.	<i>Cyanotheca</i> sp. PCC 8801
964	clique	645058722	<i>Lactobacillus jensenii</i>	<i>Lactobacillus jensenii</i> 269-3
964	clique	647533180	<i>Lactobacillus jensenii</i>	<i>Lactobacillus jensenii</i> SJ-7A-US
964	clique	643886217	<i>Lactobacillus jensenii</i>	<i>Lactobacillus jensenii</i> 1153
965	clique	637000250	<i>Salinibacter ruber</i>	<i>Salinibacter ruber</i> M31, DSM 13855
965	clique	2540341133	<i>Salinibacter ruber</i>	<i>Salinibacter ruber</i> M8
966	clique	2522572009	<i>Myxococcus Xanthus</i>	<i>Myxococcus xanthus</i> D22
966	clique	637000186	<i>Myxococcus xanthus</i>	<i>Myxococcus xanthus</i> DK 1622
966	clique	2551306112	<i>Myxococcus xanthus</i>	<i>Myxococcus xanthus</i> D2F1
967	clique	640427131	<i>Pseudomonas mendocina</i>	<i>Pseudomonas mendocina</i> ymp
967	clique	2519899600	<i>Pseudomonas mendocina</i>	<i>Pseudomonas mendocina</i> DLHK
968	clique	2540341173	<i>Marinobacter hydrocarbonoclasticus</i>	<i>Marinobacter hydrocarbonoclasticus</i> ATCC 49840
968	clique	639633037	<i>Marinobacter aquaeolei</i>	<i>Marinobacter aquaeolei</i> VT8
969	clique	2516653077	<i>Rhizobium leguminosarum</i>	<i>Rhizobium leguminosarum</i> bv viciae WSM1481
969	clique	2509276044	<i>Rhizobium leguminosarum</i>	<i>Rhizobium leguminosarum</i> bv viciae WSM1455
970	clique	643692018	<i>Corynebacterium aurimucosum</i>	<i>Corynebacterium aurimucosum</i> CN-1, ATCC 700975
970	clique	645951870	<i>Corynebacterium aurimucosum</i>	<i>Corynebacterium aurimucosum</i> ATCC 700975
971	clique	2540341226	<i>Enterobacter cloacae</i>	<i>Enterobacter cloacae</i> JD8715
971	clique	2540341225	<i>Enterobacter cloacae</i>	<i>Enterobacter cloacae</i> JD6301
972	clique	2541047504	<i>Blautia</i> sp.	<i>Blautia</i> sp. KLE 1732
972	clique	650377968	<i>Ruminococcus</i> sp.	<i>Ruminococcus</i> sp. SR1/5
973	clique	2551306119	<i>Rickettsia australis</i>	<i>Rickettsia australis</i> Phillips
973	clique	640753043	<i>Rickettsia akari</i>	<i>Rickettsia akari</i> Hartford
973	clique	2512564059	<i>Rickettsia australis</i>	<i>Rickettsia australis</i> Cutlack
974	clique	2524023161	<i>Blautia producta</i>	<i>Blautia producta</i> DSM 2950
974	clique	2515154176	<i>Blautia producta</i>	<i>Blautia producta</i> ATCC 27340
975	clique	2510065063	<i>Luteimonas</i> sp.	<i>Luteimonas</i> sp. J29
975	clique	2505679055	<i>Luteimonas</i> sp.	<i>Luteimonas</i> sp. J16
976	clique	650716049	<i>Leuconostoc kimchii</i>	<i>Leuconostoc kimchii</i> C2
976	clique	646564543	<i>Leuconostoc kimchii</i>	<i>Leuconostoc kimchii</i> IMSNU11154
977	clique	641736122	<i>Burkholderia oklahomensis</i>	<i>Burkholderia oklahomensis</i> EO147
977	clique	641736121	<i>Burkholderia oklahomensis</i>	<i>Burkholderia oklahomensis</i> C6786
978	clique	644736389	<i>Methylovorus glucosetrophus</i>	<i>Methylovorus glucosetrophus</i> SIP3-4
978	clique	649633068	<i>Methylovorus</i> sp.	<i>Methylovorus</i> sp. MP688
979	clique	637000138	<i>Lactobacillus acidophilus</i>	<i>Lactobacillus acidophilus</i> NCFM
979	clique	643886014	<i>Lactobacillus acidophilus</i>	<i>Lactobacillus acidophilus</i> ATCC 4796
980	clique	2512564010	<i>Amycolatopsis thermoflava</i>	<i>Amycolatopsis thermoflava</i> N1165, DSM 44574
980	clique	2517572242	<i>Amycolatopsis methanolica</i>	<i>Amycolatopsis methanolica</i> 239, DSM 44096
981	clique	2513237314	<i>Enterococcus saccharolyticus</i>	<i>Enterococcus saccharolyticus</i> 30_1
981	clique	647533156	<i>Enterococcus gallinarum</i>	<i>Enterococcus gallinarum</i> EG2
982	clique	651324110	<i>Xanthomonas perforans</i>	<i>Xanthomonas perforans</i> 91-118
982	clique	637000345	<i>Xanthomonas campestris</i>	<i>Xanthomonas campestris</i> pv vesicatoria 85-10
982	clique	2511231060	<i>Xanthomonas axonopodis</i>	<i>Xanthomonas axonopodis</i> pv. citrumelo F1
982	clique	2501846303	<i>Xanthomonas</i> sp.	<i>Xanthomonas</i> sp. 6
983	clique	2502171178	<i>Arcobacter</i> sp.	<i>Arcobacter</i> sp. 2
983	clique	2511231177	<i>Arcobacter</i> sp.	<i>Arcobacter</i> sp. L
984	clique	2537562002	<i>Bacillus cereus</i>	<i>Bacillus cereus</i> BAG6X1-1
984	clique	2519103073	<i>Bacillus cereus</i>	<i>Bacillus cereus</i> BAG2X1-2
985	clique	642555161	<i>Stenotrophomonas maltophilia</i>	<i>Stenotrophomonas maltophilia</i> K279a
985	clique	2531839535	<i>Stenotrophomonas maltophilia</i>	<i>Stenotrophomonas maltophilia</i> EPM1
985	clique	2519899579	<i>Stenotrophomonas maltophilia</i>	<i>Stenotrophomonas maltophilia</i> Ab55555
986	clique	647533125	<i>Clostridium carboxidivorans</i>	<i>Clostridium carboxidivorans</i> P7, DSM 15243
986	clique	645058736	<i>Clostridium carboxidivorans</i>	<i>Clostridium carboxidivorans</i> P7, DSM 15243
987	clique	648861008	<i>Desulfovibrio</i> sp.	<i>Desulfovibrio</i> sp. 3_1_syn3
987	clique	2513237324	<i>Desulfovibrio</i> sp.	<i>Desulfovibrio</i> sp. 6_1_46AFAA
988	clique	2513020027	<i>Bacteroides ovatus</i>	<i>Bacteroides ovatus</i> NLAE-zl-C34 (Illumina Draft assembly with Velvet)
988	clique	2513020023	<i>Bacteroides ovatus</i>	<i>Bacteroides ovatus</i> NLAE-zl-C11 (Illumina Draft assembly with Velvet)
989	clique	2524614546	<i>Bradyrhizobium japonicum</i>	<i>Bradyrhizobium japonicum</i> in8p8
989	clique	2524614545	<i>Bradyrhizobium japonicum</i>	<i>Bradyrhizobium japonicum</i> is5
990	clique	2545824672	<i>Enterococcus sulfureus</i>	<i>Enterococcus sulfureus</i> ATCC 49903
990	clique	2541047450	<i>Enterococcus sulfureus</i>	<i>Enterococcus sulfureus</i> ATCC 49903
991	clique	641736171	<i>Streptococcus infantarius</i>	<i>Streptococcus infantarius</i> infantarius ATCC BAA-102
991	clique	2512047038	<i>Streptococcus infantarius</i>	<i>Streptococcus infantarius</i> infantarius CJ18
992	clique	2517572189	<i>Paenibacillus massiliensis</i>	<i>Paenibacillus massiliensis</i> DSM 16942
992	clique	2524614514	<i>Paenibacillus panacisoli</i>	<i>Paenibacillus panacisoli</i> DSM 21345
993	clique	645951850	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. D12
993	clique	2537561963	<i>Fusobacterium necrophorum</i>	<i>Fusobacterium necrophorum</i> funduliforme ATCC 51357
993	clique	2531839544	<i>Fusobacterium necrophorum</i>	<i>Fusobacterium necrophorum</i> Fnf1007
994	clique	2500104001	<i>Ammonifex degensii</i>	<i>Ammonifex degensii</i> KC4
994	clique	646311904	<i>Ammonifex degensii</i>	<i>Ammonifex degensii</i> KC4
995	clique	2548876789	<i>Xanthomonas sacchari</i>	<i>Xanthomonas sacchari</i> NCPPB 4393
995	clique	2548876792	<i>Xanthomonas</i> sp.	<i>Xanthomonas</i> sp. NCPPB 1132
996	clique	2511231019	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. GM67
996	clique	2511231018	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. GM60
997	clique	637000038	<i>Bradyrhizobium japonicum</i>	<i>Bradyrhizobium japonicum</i> USDA 110
997	clique	2513237095	<i>Bradyrhizobium japonicum</i>	<i>Bradyrhizobium japonicum</i> USDA 122
998	clique	2518645586	<i>Desulfovibrio desulfuricans</i>	<i>Desulfovibrio desulfuricans</i> aestuarii ATCC 29578
998	clique	2524614816	<i>Desulfovibrio acrylicus</i>	<i>Desulfovibrio acrylicus</i> DSM 10141

999	clique	2518285615	Anaeromusa acidaminophila	Anaeromusa acidaminophila DSM 3853
999	clique	2524614635	Anaerococcus burkinensis	Anaerococcus burkinensis DSM 6283
1000	clique	2548876992	Cronobacter universalis	Cronobacter universalis NCTC 9529
1000	clique	2534681665	Cronobacter universalis	Cronobacter universalis NCTC 9529
1001	clique	2519899749	Bartonella bacilliformis	Bartonella bacilliformis INS
1001	clique	639633009	Bartonella bacilliformis	Bartonella bacilliformis KC583
1002	clique-group	649633017	Bifidobacterium longum	Bifidobacterium longum infantis 157F-NC
1002	clique-group	649989916	Bifidobacterium sp.	Bifidobacterium sp. 12_1_47BFAA
1002	clique-group	642555107	Bifidobacterium longum	Bifidobacterium longum DJO10A
1002	clique-group	643886216	Bifidobacterium longum	Bifidobacterium longum longum CCUG 52486
1002	clique-group	2529293221	Bifidobacterium longum	Bifidobacterium longum 44B
1002	clique-group	2524614683	Bifidobacterium longum	Bifidobacterium longum AGR2137
1002	clique-group	637000031	Bifidobacterium longum	Bifidobacterium longum NCC2705
1002	clique-group	2551306494	Bifidobacterium longum	Bifidobacterium longum longum CMCC P0001
1002	clique-group	2528768018	Bifidobacterium longum	Bifidobacterium longum E18
1002	clique-group	2537561879	Bifidobacterium longum	Bifidobacterium longum 1-6B
1002	clique-group	643886140	Bifidobacterium longum	Bifidobacterium longum longum ATCC 55813
1002	clique-group	650377912	Bifidobacterium longum	Bifidobacterium longum longum F8
1002	clique-group	2531839495	Bifidobacterium longum	Bifidobacterium longum 2-2B
1002	clique-group	646564512	Bifidobacterium longum	Bifidobacterium longum longum JDM301
1002	clique-group	651053008	Bifidobacterium longum	Bifidobacterium longum longum KACC 91563
1002	clique-group	2529293225	Bifidobacterium longum	Bifidobacterium longum 35B
1002	clique-group	649633018	Bifidobacterium longum	Bifidobacterium longum longum BBMN68
1002	clique-group	649633019	Bifidobacterium longum	Bifidobacterium longum longum JCM 1217
1003	clique	646564530	Erwinia amylovora	Erwinia amylovora Ea273, ATCC 49946
1003	clique	2534681819	Erwinia amylovora	Erwinia amylovora ACW56400
1003	clique	646564531	Erwinia amylovora	Erwinia amylovora CFBP 1430
1004	clique	2529293276	Moraxella catarrhalis	Moraxella catarrhalis CO72
1004	clique	646564552	Moraxella catarrhalis	Moraxella catarrhalis RH4
1004	clique	2519899737	Moraxella catarrhalis	Moraxella catarrhalis RH4
1004	clique	2529293268	Moraxella catarrhalis	Moraxella catarrhalis 103P14B1
1004	clique	2529293270	Moraxella catarrhalis	Moraxella catarrhalis BC7
1004	clique	2529293272	Moraxella catarrhalis	Moraxella catarrhalis 12P80B1
1004	clique	2529293267	Moraxella catarrhalis	Moraxella catarrhalis 46P47B1
1004	clique	2529293275	Moraxella catarrhalis	Moraxella catarrhalis 103P14B1
1004	clique	2528311137	Moraxella catarrhalis	Moraxella catarrhalis 035E
1004	clique	2529293271	Moraxella catarrhalis	Moraxella catarrhalis BC1
1004	clique	2529293269	Moraxella catarrhalis	Moraxella catarrhalis BC8
1004	clique	2534682292	Moraxella catarrhalis	Moraxella catarrhalis 7169
1005	clique	648276733	Streptococcus gallolyticus	Streptococcus gallolyticus gallolyticus TX20005
1005	clique	646311957	Streptococcus gallolyticus	Streptococcus gallolyticus UCN34
1005	clique	651053072	Streptococcus gallolyticus	Streptococcus gallolyticus gallolyticus ATCC 43143
1005	clique	648276732	Streptococcus bovis	Streptococcus bovis ATCC 700338
1005	clique	650716091	Streptococcus pasteurianus	Streptococcus pasteurianus ATCC 43144
1005	clique	650716087	Streptococcus gallolyticus	Streptococcus gallolyticus gallolyticus ATCC BAA-2069
1006	clique	638154502	Archaeoglobus fulgidus	Archaeoglobus fulgidus VC-16, DSM 4304
1006	clique	2528311132	Archaeoglobus fulgidus	Archaeoglobus fulgidus 7324, DSM 8774
1007	clique	648231714	Mycoplasma mycoides	Mycoplasma mycoides mycoides SC Gladysdale
1007	clique	637000181	Mycoplasma mycoides	Mycoplasma mycoides mycoides SC PG1
1008	clique	647533179	Lactobacillus jensenii	Lactobacillus jensenii 115-3-CHN
1008	clique	648276683	Lactobacillus jensenii	Lactobacillus jensenii JV-V16
1008	clique	646206278	Lactobacillus jensenii	Lactobacillus jensenii 27-2-CHN
1009	clique	2540341159	Enterococcus casseliflavus	Enterococcus casseliflavus EC20
1009	clique	647533128	Enterococcus casseliflavus	Enterococcus casseliflavus EC20
1009	clique	647533127	Enterococcus casseliflavus	Enterococcus casseliflavus EC10
1009	clique	2541047578	Enterococcus casseliflavus	Enterococcus casseliflavus 14-MB-W-14
1009	clique	2545824673	Enterococcus sp.	Enterococcus flavescens ATCC 49996
1009	clique	647533129	Enterococcus casseliflavus	Enterococcus casseliflavus EC30
1010	clique	649633093	Rothia dentocariosa	Rothia dentocariosa ATCC 17931
1010	clique	648861015	Rothia dentocariosa	Rothia dentocariosa M567
1011	clique	649989924	Coprobacillus sp.	Coprobacillus sp. 29_1
1011	clique	2547132035	Coprobacillus sp.	Coprobacillus sp. D6
1012	clique	2522572063	Leifsonia sp.	Leifsonia sp. 109
1012	clique	2522125173	Cryococcus sp.	Cryococcus sp. 340MFSHa3.1
1013	clique	637000242	Rickettsia bellii	Rickettsia bellii RML369-C
1013	clique	640753044	Rickettsia bellii	Rickettsia bellii OSU 85-389
1014	clique-group	2529292882	Escherichia coli	Escherichia coli B799
1014	clique-group	2541047800	Escherichia coli	Escherichia coli HVH 172 (4-3248542)
1014	clique-group	2541047841	Escherichia coli	Escherichia coli HVH 213 (4-3042928)
1014	clique-group	2529292886	Escherichia coli	Escherichia coli 10.0869
1014	clique-group	649989948	Escherichia coli	Escherichia coli MS 145-7
1014	clique-group	2531839099	Escherichia coli	Escherichia coli 96.0939
1014	clique-group	2534681759	Escherichia coli	Escherichia coli Jurua 20/10
1014	clique-group	2541047919	Escherichia coli	Escherichia coli UMEA 3216-1
1014	clique-group	2531839030	Escherichia coli	Escherichia coli EC1870
1014	clique-group	648861009	Escherichia coli	Escherichia coli FVEC1302
1014	clique-group	646311923	Escherichia coli	Escherichia coli O103:H2 12009
1014	clique-group	2529293216	Escherichia coli	Escherichia coli FRK1999
1014	clique-group	2541047904	Escherichia coli	Escherichia coli UMEA 3173-1
1014	clique-group	2529292835	Escherichia coli	Escherichia coli 2747800
1014	clique-group	2534682139	Escherichia coli	Escherichia coli O103:H2 3.2608
1014	clique-group	2541047958	Escherichia coli	Escherichia coli UMEA 3889-1

1014	clique-group	2537561604	Escherichia coli	Escherichia coli ARS4.2123
1014	clique-group	2541047936	Escherichia coli	Escherichia coli UMEA 3317-1
1014	clique-group	2526164619	Shigella flexneri	Shigella flexneri K-315
1014	clique-group	2548876937	Escherichia coli	Escherichia coli C262_10
1014	clique-group	2534682165	Escherichia coli	Escherichia coli O25b:H4-ST131 EC958
1014	clique-group	2534681745	Escherichia coli	Escherichia coli MS 153-1
1014	clique-group	2531839438	Escherichia coli	Escherichia coli MP021017.3
1014	clique-group	2548877011	Escherichia coli	Escherichia coli NCCP15657
1014	clique-group	2537562185	Escherichia coli	Escherichia coli 11-03439
1014	clique-group	2548876945	Escherichia coli	Escherichia coli C496_10
1014	clique-group	648276662	Escherichia coli	Escherichia coli MS 21-1
1014	clique-group	2537561512	Escherichia coli	Escherichia coli EC1849
1014	clique-group	2547132252	Escherichia coli	Escherichia coli O26:H11 H30
1014	clique-group	2541047785	Escherichia coli	Escherichia coli HVH 147 (4-5893887)
1014	clique-group	2534681836	Escherichia coli	Escherichia coli DEC9C
1014	clique-group	2537562173	Escherichia coli	Escherichia coli cloneA_11
1014	clique-group	2534681704	Escherichia coli	Escherichia coli MP021561.2
1014	clique-group	2534682157	Escherichia coli	Escherichia coli STEC_DG131-3
1014	clique-group	2531839146	Escherichia coli	Escherichia coli MS 85-1
1014	clique-group	2541047848	Escherichia coli	Escherichia coli KOEGE 3 (4a)
1014	clique-group	642979322	Escherichia coli	Escherichia coli O157:H7 TW14588
1014	clique-group	2529292725	Escherichia coli	Escherichia coli 2875000
1014	clique-group	2534681810	Escherichia coli	Escherichia coli WV_060327
1014	clique-group	2537561716	Escherichia coli	Escherichia coli 99.0816
1014	clique-group	2541047923	Escherichia coli	Escherichia coli UMEA 3222-1
1014	clique-group	2541047754	Escherichia coli	Escherichia coli HVH 112 (4-5987253)
1014	clique-group	2534681933	Escherichia coli	Escherichia coli DEC5C
1014	clique-group	2529293247	Escherichia coli	Escherichia coli 75
1014	clique-group	2541047498	Escherichia coli	Escherichia coli B5-2
1014	clique-group	2521172580	Escherichia coli	Escherichia coli Ec12-0465
1014	clique-group	2519899742	Escherichia coli	Escherichia coli O104:H4 C227-11
1014	clique-group	2541047777	Escherichia coli	Escherichia coli HVH 126 (4-6034225)
1014	clique-group	648276653	Escherichia coli	Escherichia coli MS 124-1
1014	clique-group	2534682235	Escherichia coli	Escherichia coli FDA517
1014	clique-group	2541047807	Escherichia coli	Escherichia coli HVH 162 (4-5627982)
1014	clique-group	2529293147	Escherichia coli	Escherichia coli P0304816.2
1014	clique-group	2531839006	Escherichia coli	Escherichia coli SEPT362
1014	clique-group	2541047678	Escherichia coli	Escherichia coli HVH 1 (4-6876161)
1014	clique-group	2537561980	Escherichia coli	Escherichia coli EPECa12
1014	clique-group	2521172717	Escherichia coli	Escherichia coli W_ATCC 9637
1014	clique-group	2529293063	Escherichia coli	Escherichia coli P0302308.12
1014	clique-group	2534681998	Escherichia coli	Escherichia coli 8.0416
1014	clique-group	2541047167	Escherichia coli	Escherichia coli B36-1
1014	clique-group	647533159	Escherichia coli	Escherichia coli B185
1014	clique-group	2534681652	Escherichia coli	Escherichia coli PA25
1014	clique-group	2521172589	Escherichia coli	Escherichia coli Ec12-0466
1014	clique-group	2541047862	Escherichia coli	Escherichia coli KOEGE 56 (169a)
1014	clique-group	641736212	Escherichia coli	Escherichia coli O157:H7 EC4042
1014	clique-group	2541047948	Escherichia coli	Escherichia coli UMEA 3632-1
1014	clique-group	2531839587	Escherichia coli	Escherichia coli 180600
1014	clique-group	2531839027	Escherichia coli	Escherichia coli EC1869
1014	clique-group	2541047872	Escherichia coli	Escherichia coli KOEGE 77 (202a)
1014	clique-group	2531839330	Escherichia coli	Escherichia coli P0302293.8
1014	clique-group	2541047721	Escherichia coli	Escherichia coli HVH 58 (4-2839709)
1014	clique-group	2541047728	Escherichia coli	Escherichia coli HVH 70 (4-2963531)
1014	clique-group	2548876854	Escherichia coli	Escherichia coli C353_09
1014	clique-group	2541047127	Escherichia coli	Escherichia coli T1840_97
1014	clique-group	2541047868	Escherichia coli	Escherichia coli UMEA 3022-1
1014	clique-group	2541047830	Escherichia coli	Escherichia coli HVH 202 (4-3163997)
1014	clique-group	648276651	Escherichia coli	Escherichia coli MS 116-1
1014	clique-group	2534681780	Escherichia coli	Escherichia coli KTE179
1014	clique-group	2529293071	Escherichia coli	Escherichia coli TT12B
1014	clique-group	2541047759	Escherichia coli	Escherichia coli HVH 116 (4-6879942)
1014	clique-group	650377932	Escherichia coli	Escherichia coli ETEC H10407
1014	clique-group	2529292758	Escherichia coli	Escherichia coli KTE168
1014	clique-group	2551306488	Escherichia coli	Escherichia coli LCT-EC59
1014	clique-group	2537561687	Escherichia coli	Escherichia coli p0305293.3
1014	clique-group	2534681773	Escherichia coli	Escherichia coli DEC11E
1014	clique-group	2529292908	Escherichia coli	Escherichia coli DEC6C
1014	clique-group	2541047748	Escherichia coli	Escherichia coli HVH 104 (4-6977960)
1014	clique-group	2537561778	Escherichia coli	Escherichia coli O08
1014	clique-group	2541047925	Escherichia coli	Escherichia coli UMEA 3233-1
1014	clique-group	2529292912	Escherichia coli	Escherichia coli DEC7B
1014	clique-group	2519899835	Escherichia coli	Escherichia coli O104:H4 04-8351
1014	clique-group	2534681663	Escherichia coli	Escherichia coli 2865200
1014	clique-group	2541047174	Escherichia coli	Escherichia coli B114
1014	clique-group	2529292736	Escherichia coli	Escherichia coli DEC13E
1014	clique-group	2541047426	Escherichia coli	Escherichia coli B7-2
1014	clique-group	649989946	Escherichia coli	Escherichia coli 1827-70
1014	clique-group	2554235180	Escherichia coli	Escherichia coli AB42410445-isolate1
1014	clique-group	2548876867	Escherichia coli	Escherichia coli C900_01
1014	clique-group	2529293045	Escherichia coli	Escherichia coli DEC3A

1014	clique-group	2526164604	Escherichia coli	Escherichia coli TW10119
1014	clique-group	2548876954	Escherichia coli	Escherichia coli C796_10
1014	clique-group	2554235185	Escherichia coli	Escherichia coli MC23
1014	clique-group	2537561979	Escherichia coli	Escherichia coli TA007
1014	clique-group	2537561977	Escherichia coli	Escherichia coli LT-68
1014	clique-group	2534682052	Escherichia coli	Escherichia coli O104:H4 11-4632_C3
1014	clique-group	2529292720	Escherichia coli	Escherichia coli 2872800
1014	clique-group	2526164664	Escherichia coli	Escherichia coli DEC10D
1014	clique-group	2541047767	Escherichia coli	Escherichia coli HVH 134 (4-6073441)
1014	clique-group	2519899560	Escherichia coli	Escherichia coli O111:H8 CVM9634
1014	clique-group	2548876958	Escherichia coli	Escherichia coli C824_10
1014	clique-group	2541047855	Escherichia coli	Escherichia coli KOEGE 43 (105a)
1014	clique-group	2531839527	Escherichia coli	Escherichia coli BCE030_MS-09
1014	clique-group	2537561510	Escherichia coli	Escherichia coli EC1856
1014	clique-group	2541047885	Escherichia coli	Escherichia coli UMEA 3139-1
1014	clique-group	2534681706	Escherichia coli	Escherichia coli P0298942.7
1014	clique-group	2534681765	Escherichia coli	Escherichia coli 2730450
1014	clique-group	2548876529	Escherichia coli	Escherichia coli O104:H4 H112180283
1014	clique-group	2534682109	Escherichia coli	Escherichia coli 3.488
1014	clique-group	2534681989	Escherichia coli	Escherichia coli O111:H8 CVM9534
1014	clique-group	2534681647	Escherichia coli	Escherichia coli PA19
1014	clique-group	2531839239	Escherichia coli	Escherichia coli 99.1753
1014	clique-group	2541047762	Escherichia coli	Escherichia coli HVH 119 (4-6879578)
1014	clique-group	2537561932	Escherichia coli	Escherichia coli 2848050
1014	clique-group	2548877009	Escherichia coli	Escherichia coli NCCP15647
1014	clique-group	2529293083	Escherichia coli	Escherichia coli 89.0511
1014	clique-group	2541047595	Escherichia coli	Escherichia coli O10:K5(L):H4, ATCC 23506
1014	clique-group	2529293049	Escherichia coli	Escherichia coli O104:H4 11-4623
1014	clique-group	2529292830	Escherichia coli	Escherichia coli 2762100
1014	clique-group	2534681757	Escherichia coli	Escherichia coli Envira 10/1
1014	clique-group	2547132421	Escherichia coli	Escherichia coli P0305260.1
1014	clique-group	2537562014	Escherichia coli	Escherichia coli BCE008_MS-13
1014	clique-group	2537561727	Escherichia coli	Escherichia coli TW00353
1014	clique-group	2541047902	Escherichia coli	Escherichia coli UMEA 3163-1
1014	clique-group	2537561829	Escherichia coli	Escherichia coli P0302293.3
1014	clique-group	2526164598	Escherichia coli	Escherichia coli DEC13C
1014	clique-group	2541047875	Escherichia coli	Escherichia coli KOEGE 70 (185a)
1014	clique-group	2529292976	Escherichia coli	Escherichia coli PA34
1014	clique-group	2541047861	Escherichia coli	Escherichia coli HVH 222 (4-2977443)
1014	clique-group	643348551	Escherichia coli	Escherichia coli SE11
1014	clique-group	2541047934	Escherichia coli	Escherichia coli UMEA 3304-1
1014	clique-group	2537561827	Escherichia coli	Escherichia coli P0301867.11
1014	clique-group	2545824717	Escherichia coli	Escherichia coli P0301904.3
1014	clique-group	2534681735	Escherichia coli	Escherichia coli TW14301
1014	clique-group	2531839449	Escherichia coli	Escherichia coli 1180
1014	clique-group	2534682236	Escherichia coli	Escherichia coli FRIK1985
1014	clique-group	2548876935	Escherichia coli	Escherichia coli C283_09
1014	clique-group	2541047442	Escherichia coli	Escherichia coli B49-2
1014	clique-group	2541047838	Escherichia coli	Escherichia coli HVH 210 (4-3042480)
1014	clique-group	637000265	Shigella flexneri	Shigella flexneri 5 8401
1014	clique-group	2529293060	Escherichia coli	Escherichia coli P0304777.1
1014	clique-group	648276658	Escherichia coli	Escherichia coli MS 187-1
1014	clique-group	2531839455	Escherichia coli	Escherichia coli 2719100
1014	clique-group	2534681737	Escherichia coli	Escherichia coli TW15901
1014	clique-group	2531839646	Escherichia coli	Escherichia coli EC1848
1014	clique-group	2541047691	Escherichia coli	Escherichia coli HVH 19 (4-7154984)
1014	clique-group	2534682080	Escherichia coli	Escherichia coli G58-1
1014	clique-group	2531839485	Escherichia coli	Escherichia coli P0299438.5
1014	clique-group	2541047713	Escherichia coli	Escherichia coli HVH 44 (4-2298570)
1014	clique-group	2541047168	Escherichia coli	Escherichia coli B95
1014	clique-group	647533160	Escherichia coli	Escherichia coli B354
1014	clique-group	2531839144	Escherichia coli	Escherichia coli KD1
1014	clique-group	2526164633	Escherichia coli	Escherichia coli DEC12B
1014	clique-group	2541047809	Escherichia coli	Escherichia coli HVH 160 (4-5695937)
1014	clique-group	2548876939	Escherichia coli	Escherichia coli C343_08
1014	clique-group	2534682254	Escherichia coli	Escherichia coli PA9
1014	clique-group	2541047698	Escherichia coli	Escherichia coli HVH 25 (4-5851939)
1014	clique-group	2529292919	Escherichia coli	Escherichia coli DEC1D
1014	clique-group	2537561576	Escherichia coli	Escherichia coli P0302308.4
1014	clique-group	2541047917	Escherichia coli	Escherichia coli UMEA 3212-1
1014	clique-group	2554235123	Escherichia coli	Escherichia coli HM69
1014	clique-group	2541047819	Escherichia coli	Escherichia coli HVH 191 (3-9341900)
1014	clique-group	2537561620	Shigella flexneri	Shigella flexneri K-1770
1014	clique-group	2529293140	Escherichia coli	Escherichia coli E482
1014	clique-group	2541047887	Escherichia coli	Escherichia coli UMEA 3122-1
1014	clique-group	2529292910	Escherichia coli	Escherichia coli DEC6E
1014	clique-group	2541047824	Escherichia coli	Escherichia coli HVH 186 (4-3405044)
1014	clique-group	2511231198	Escherichia coli	Escherichia coli clone D i2
1014	clique-group	2534681834	Escherichia coli	Escherichia coli DEC7D
1014	clique-group	2537561831	Escherichia coli	Escherichia coli P0302293.6
1014	clique-group	641736210	Escherichia coli	Escherichia coli O157:H7 EC4206
1014	clique-group	2548876943	Escherichia coli	Escherichia coli C40_11

1014	clique-group	2534682324	Escherichia coli	Escherichia coli O157:H7 1044
1014	clique-group	2534681831	Escherichia coli	Escherichia coli DEC8B
1014	clique-group	2534681624	Escherichia coli	Escherichia coli P0299917.7
1014	clique-group	2526164653	Escherichia coli	Escherichia coli 11-02033-1
1014	clique-group	2531839433	Escherichia coli	Escherichia coli P0301867.1
1014	clique-group	2534682163	Escherichia coli	Escherichia coli STEC_O31
1014	clique-group	2541047120	Escherichia coli	Escherichia coli T1282_01
1014	clique-group	2541047686	Escherichia coli	Escherichia coli HVH 10 (4-6832164)
1014	clique-group	2529293218	Escherichia coli	Escherichia coli FR1K1996
1014	clique-group	2540341031	Escherichia coli	Escherichia coli KTE163
1014	clique-group	638341086	Escherichia coli	Escherichia coli O111:H9 E110019 (EPEC)
1014	clique-group	2548876857	Escherichia coli	Escherichia coli C418_89
1014	clique-group	2529292837	Escherichia coli	Escherichia coli 2735000
1014	clique-group	2531839156	Escherichia coli	Escherichia coli EC1737
1014	clique-group	2531839158	Escherichia coli	Escherichia coli EC1735
1014	clique-group	2531839640	Escherichia coli	Escherichia coli O104:H4 C227-11
1014	clique-group	2529293149	Escherichia coli	Escherichia coli P0304816.4
1014	clique-group	2541047827	Escherichia coli	Escherichia coli HVH 183 (4-3205932)
1014	clique-group	2526164617	Shigella sonnei	Shigella sonnei 3233-85
1014	clique-group	2548876852	Escherichia coli	Escherichia coli C170_11
1014	clique-group	643348549	Escherichia coli	Escherichia coli O157:H7 EC4115
1014	clique-group	2541047870	Escherichia coli	Escherichia coli KOEGE 131 (358a)
1014	clique-group	2537561959	Escherichia coli	Escherichia coli KTE153
1014	clique-group	2529293065	Escherichia coli	Escherichia coli P0302308.10
1014	clique-group	2537562218	Escherichia coli	Escherichia coli P0298942.9
1014	clique-group	645951861	Escherichia coli	Escherichia coli O157:H7 FR1K966
1014	clique-group	2541047165	Escherichia coli	Escherichia coli B7-1
1014	clique-group	2541047966	Escherichia coli	Escherichia coli UMEA 3705-1
1014	clique-group	2541047864	Escherichia coli	Escherichia coli UMEA 3053-1
1014	clique-group	648028025	Escherichia coli	Escherichia coli O26:H11 11368
1014	clique-group	2529292853	Escherichia coli	Escherichia coli P0302293.4
1014	clique-group	2531839029	Escherichia coli	Escherichia coli EC4013
1014	clique-group	2519899562	Escherichia coli	Escherichia coli O111:H11 CVM9553
1014	clique-group	2534681654	Escherichia coli	Escherichia coli PA23
1014	clique-group	2534682175	Escherichia coli	Escherichia coli P0304816.10
1014	clique-group	2534681991	Escherichia coli	Escherichia coli O103:H2 CVM9450
1014	clique-group	2541047172	Escherichia coli	Escherichia coli B17
1014	clique-group	2541047430	Escherichia coli	Escherichia coli B26-2
1014	clique-group	2534682297	Escherichia coli	Escherichia coli 93.0056
1014	clique-group	637000104	Escherichia coli	Escherichia coli O6:K15:H31 536 (UPEC)
1014	clique-group	2541047846	Escherichia coli	Escherichia coli HVH 227 (4-2277670)
1014	clique-group	648276649	Escherichia coli	Escherichia coli MS 107-1
1014	clique-group	2534681672	Escherichia coli	Escherichia coli O11:H- 97.0259
1014	clique-group	2534682001	Escherichia coli	Escherichia coli PA11
1014	clique-group	2529292831	Escherichia coli	Escherichia coli 2770900
1014	clique-group	2529292995	Escherichia coli	Escherichia coli O104:H4 E112/10
1014	clique-group	2529293241	Shigella flexneri	Shigella flexneri 2a 2457T
1014	clique-group	2534681709	Escherichia coli	Escherichia coli KTE157
1014	clique-group	2541047437	Escherichia coli	Escherichia coli B90
1014	clique-group	2534682096	Escherichia coli	Escherichia coli P0304777.14
1014	clique-group	641736225	Escherichia coli	Escherichia coli O157:H7 EC4501
1014	clique-group	2541047921	Escherichia coli	Escherichia coli UMEA 3220-1
1014	clique-group	2526164693	Escherichia coli	Escherichia coli 99.0713
1014	clique-group	2531839475	Escherichia coli	Escherichia coli 576-1
1014	clique-group	637000264	Shigella flexneri	Shigella flexneri 2a 301
1014	clique-group	2534682330	Escherichia coli	Escherichia coli P0299438.9
1014	clique-group	2537562223	Escherichia coli	Escherichia coli P0302308.1
1014	clique-group	2537562190	Escherichia coli	Escherichia coli O103:H6 93.0624
1014	clique-group	2541047963	Escherichia coli	Escherichia coli UMEA 4076-1
1014	clique-group	2529292870	Escherichia coli	Escherichia coli O55:H7 3256-97 TW 07815
1014	clique-group	648276656	Escherichia coli	Escherichia coli MS 182-1
1014	clique-group	650377934	Escherichia coli	Escherichia coli W, ATCC 9739
1014	clique-group	2548876869	Escherichia coli	Escherichia coli O104:H4 ON2010
1014	clique-group	2541047913	Escherichia coli	Escherichia coli UMEA 3201-1
1014	clique-group	2547132418	Escherichia coli	Escherichia coli MP020980.1
1014	clique-group	2548876941	Escherichia coli	Escherichia coli C341_10
1014	clique-group	2545824708	Escherichia coli	Escherichia coli 179100
1014	clique-group	2531839332	Escherichia coli	Escherichia coli P0302293.10
1014	clique-group	2541047769	Escherichia coli	Escherichia coli HVH 137 (4-2124971)
1014	clique-group	2529292734	Escherichia coli	Escherichia coli DEC14B
1014	clique-group	2541047738	Escherichia coli	Escherichia coli HVH 85 (4-0792144)
1014	clique-group	2537562188	Escherichia coli	Escherichia coli O91:H21 96.0497
1014	clique-group	648276664	Escherichia coli	Escherichia coli MS 69-1
1014	clique-group	2554235183	Escherichia coli	Escherichia coli AB42602061-isolate1
1014	clique-group	2537561857	Escherichia coli	Escherichia coli KTE112
1014	clique-group	2531839663	Escherichia coli	Escherichia coli O157:H12 2.4168
1014	clique-group	2541047803	Escherichia coli	Escherichia coli HVH 169 (4-1075578)
1014	clique-group	2531839676	Escherichia coli	Escherichia coli 95.1288
1014	clique-group	2548876965	Escherichia coli	Escherichia coli O104:H4 ON2011
1014	clique-group	2526164646	Shigella flexneri	Shigella flexneri 6603-63
1014	clique-group	2541047832	Escherichia coli	Escherichia coli HVH 204 (4-3112802)
1014	clique-group	2537561714	Escherichia coli	Escherichia coli 99.0678

1014	clique-group	2541047775	Escherichia coli	Escherichia coli HVH 122 (4-6851606)
1014	clique-group	2526164662	Escherichia coli	Escherichia coli DEC10F
1014	clique-group	2537561975	Escherichia coli	Escherichia coli KTE131
1014	clique-group	2554235297	Escherichia sp.	Escherichia coli O127:H6 E2348/69 subCVDNalr
1014	clique-group	2529293076	Escherichia coli	Escherichia coli TW09109
1014	clique-group	2541047780	Escherichia coli	Escherichia coli HVH 142 (4-5627451)
1014	clique-group	2541047899	Escherichia coli	Escherichia coli UMEA 3200-1
1014	clique-group	2537561934	Escherichia coli	Escherichia coli MP021552.8
1014	clique-group	2537561685	Escherichia coli	Escherichia coli p0305293.5
1014	clique-group	2529292906	Escherichia coli	Escherichia coli DEC6A
1014	clique-group	2548876692	Escherichia coli	Escherichia coli O113:H21 CL-3
1014	clique-group	2519899586	Escherichia coli	Escherichia coli O26:H11 CVM10224
1014	clique-group	2529293078	Escherichia coli	Escherichia coli 90.0091
1014	clique-group	2541047724	Escherichia coli	Escherichia coli HVH 63 (4-2542528)
1014	clique-group	2541047791	Escherichia coli	Escherichia coli HVH 155 (4-4509048)
1014	clique-group	2531839532	Escherichia coli	Escherichia coli 2726950
1014	clique-group	2531839644	Escherichia coli	Escherichia coli EC1850
1014	clique-group	2541047705	Escherichia coli	Escherichia coli HVH 32 (4-3773988)
1014	clique-group	2541047764	Escherichia coli	Escherichia coli HVH 130 (4-7036876)
1014	clique-group	2537562016	Escherichia coli	Escherichia coli 178900
1014	clique-group	2531839581	Escherichia coli	Escherichia coli p0305293.9
1014	clique-group	2537561825	Escherichia coli	Escherichia coli P0301867.7
1014	clique-group	643348546	Escherichia coli	Escherichia coli IA11
1014	clique-group	2529292888	Escherichia coli	Escherichia coli 0.1304
1014	clique-group	2531839130	Escherichia coli	Escherichia coli P0299917.1
1014	clique-group	2545824719	Escherichia coli	Escherichia coli p0305293.14
1014	clique-group	2526164631	Escherichia coli	Escherichia coli DEC12A
1014	clique-group	2531839233	Escherichia coli	Escherichia coli 99.1775
1014	clique-group	2541047693	Escherichia coli	Escherichia coli HVH 38 (4-2774682)
1014	clique-group	2541047711	Escherichia coli	Escherichia coli HVH 42 (4-2100061)
1014	clique-group	2548876859	Escherichia coli	Escherichia coli C586_05
1014	clique-group	2534681760	Escherichia coli	Escherichia coli Jurua 18/11
1014	clique-group	2541047097	Escherichia coli	Escherichia coli B108
1014	clique-group	648231705	Escherichia coli	Escherichia coli ABU 83972
1014	clique-group	2548876956	Escherichia coli	Escherichia coli C80_08
1014	clique-group	2529293062	Escherichia coli	Escherichia coli P0302308.13
1014	clique-group	2534682231	Escherichia coli	Escherichia coli EC4437
1014	clique-group	2529292884	Escherichia coli	Escherichia coli 10.0821
1014	clique-group	2541047755	Escherichia coli	Escherichia coli HVH 113 (4-7535473)
1014	clique-group	2541047900	Escherichia coli	Escherichia coli UMEA 3161-1
1014	clique-group	2548876694	Escherichia coli	Escherichia coli O121:H19 MT#2
1014	clique-group	2529293081	Escherichia coli	Escherichia coli 88.1042
1014	clique-group	2537562013	Escherichia coli	Escherichia coli MP021017.12
1014	clique-group	651053023	Escherichia coli	Escherichia coli UMN18
1014	clique-group	2523533510	Escherichia coli	Escherichia coli O104:H4 Ec11-5604
1014	clique-group	2529293170	Escherichia coli	Escherichia coli 5412
1014	clique-group	2526164689	Escherichia coli	Escherichia coli DEC8D
1014	clique-group	640427143	Shigella sonnei	Shigella sonnei Ss046
1014	clique-group	2529293043	Escherichia coli	Escherichia coli DEC3B
1014	clique-group	2529292719	Escherichia coli	Escherichia coli 2872000
1014	clique-group	2529293223	Shigella boydii	Shigella boydii 5216-82
1014	clique-group	2519899563	Escherichia coli	Escherichia coli O111 CVM9455
1014	clique-group	641736213	Escherichia coli	Escherichia coli O157:H7 EC4045
1014	clique-group	2526164596	Escherichia coli	Escherichia coli DEC15B
1014	clique-group	2541047750	Escherichia coli	Escherichia coli HVH 107 (4-5860571)
1014	clique-group	2529293047	Escherichia coli	Escherichia coli O104:H4 11-4632 C1
1014	clique-group	2526164629	Escherichia coli	Escherichia coli DEC11D
1014	clique-group	2534682087	Escherichia coli	Escherichia coli P0304777.9
1014	clique-group	2541047909	Escherichia coli	Escherichia coli UMEA 3180-1
1014	clique-group	2534682089	Escherichia coli	Escherichia coli P0304777.11
1014	clique-group	2541047964	Escherichia coli	Escherichia coli UMEA 4207-1
1014	clique-group	2534682331	Escherichia coli	Escherichia coli P0299438.8
1014	clique-group	2534681992	Escherichia coli	Escherichia coli O103:H25 CVM9340
1014	clique-group	2531839675	Escherichia coli	Escherichia coli 95.0943
1014	clique-group	2541047942	Escherichia coli	Escherichia coli UMEA 3314-1
1014	clique-group	2541047944	Escherichia coli	Escherichia coli UMEA 3585-1
1014	clique-group	2529292717	Escherichia coli	Escherichia coli 2867750
1014	clique-group	2529292996	Escherichia coli	Escherichia coli AI27
1014	clique-group	2541047852	Escherichia coli	Escherichia coli KOEGE 32 (66a)
1014	clique-group	2534681674	Escherichia coli	Escherichia coli O5:H- 97.0246
1014	clique-group	2547132218	Escherichia coli	Escherichia coli EC4084
1014	clique-group	2541047889	Escherichia coli	Escherichia coli UMEA 3117-1
1014	clique-group	2548876932	Escherichia coli	Escherichia coli C161_11
1014	clique-group	2537562020	Escherichia coli	Escherichia coli BCE019_MS-13
1014	clique-group	2554235189	Escherichia coli	Escherichia coli IMT8073
1014	clique-group	2534682094	Escherichia coli	Escherichia coli P0304777.8
1014	clique-group	2529293067	Escherichia coli	Escherichia coli P0304777.3
1014	clique-group	2519899566	Escherichia coli	Escherichia coli O26:H11 CVM10021
1014	clique-group	2541047880	Escherichia coli	Escherichia coli UMEA 3155-1
1014	clique-group	2548876702	Escherichia coli	Escherichia coli C154_11
1014	clique-group	2534681938	Escherichia coli	Escherichia coli DEC4A
1014	clique-group	2541047821	Escherichia coli	Escherichia coli HVH 189 (4-3220125)

1014	clique-group	2547132278	Escherichia coli	Escherichia coli TW10722
1014	clique-group	2534682338	Escherichia coli	Escherichia coli H120
1014	clique-group	2531839004	Escherichia coli	Escherichia coli PA15
1014	clique-group	2547132255	Escherichia coli	Escherichia coli O2:H- 9.1649
1014	clique-group	2554235192	Escherichia coli	Escherichia coli O157 NCCP15739
1014	clique-group	2534681699	Escherichia coli	Escherichia coli P0298942.6
1014	clique-group	2541047969	Escherichia coli	Escherichia coli UMEA 3834-1
1014	clique-group	2531839620	Escherichia coli	Escherichia coli PA13
1014	clique-group	2531839583	Escherichia coli	Escherichia coli 180050
1014	clique-group	2523533515	Escherichia coli	Escherichia coli O104:H4 Ec11-4988
1014	clique-group	2541047867	Escherichia coli	Escherichia coli UMEA 3033-1
1014	clique-group	2554235125	Escherichia coli	Escherichia coli HM26
1014	clique-group	2529292973	Escherichia coli	Escherichia coli PA42
1014	clique-group	2534681656	Escherichia coli	Escherichia coli 2861200
1014	clique-group	648276669	Escherichia coli	Escherichia coli TA206
1014	clique-group	2513237251	Escherichia coli	Escherichia coli Xuzhou21
1014	clique-group	2541047928	Escherichia coli	Escherichia coli UMEA 3203-1
1014	clique-group	2541047717	Escherichia coli	Escherichia coli HVH 51 (4-2172526)
1014	clique-group	2529292980	Escherichia coli	Escherichia coli PA4
1014	clique-group	2534681700	Escherichia coli	Escherichia coli MP020940.1
1014	clique-group	640753024	Escherichia coli	Escherichia coli O139:H28 E24377A (ETEC)
1014	clique-group	2529292905	Escherichia coli	Escherichia coli DEC5E
1014	clique-group	2534681660	Escherichia coli	Escherichia coli 2850750
1014	clique-group	646862326	Escherichia coli	Escherichia coli O18:K1:H7 IHE3034
1014	clique-group	2541047954	Escherichia coli	Escherichia coli UMEA 3687-1
1014	clique-group	2541047952	Escherichia coli	Escherichia coli UMEA 3671-1
1014	clique-group	2529293213	Escherichia coli	Escherichia coli FR1K920
1014	clique-group	2516143027	Escherichia coli	Escherichia coli SCI-07
1014	clique-group	646206259	Escherichia sp.	Escherichia sp. 3_2_53FAA
1014	clique-group	2541047684	Escherichia coli	Escherichia coli HVH 7 (4-7315031)
1014	clique-group	2537562153	Escherichia coli	Escherichia coli NE098
1014	clique-group	2541047787	Escherichia coli	Escherichia coli HVH 150 (4-3258106)
1014	clique-group	2541047500	Escherichia coli	Escherichia coli Tx1686
1014	clique-group	2531839435	Escherichia coli	Escherichia coli MP021017.10
1014	clique-group	2534682227	Escherichia coli	Escherichia coli FDA504
1014	clique-group	2531839483	Escherichia coli	Escherichia coli KTE139
1014	clique-group	2541047829	Escherichia coli	Escherichia coli HVH 216 (4-3042952)
1014	clique-group	644736361	Escherichia coli	Escherichia coli BL21(DE3)
1014	clique-group	2541047817	Escherichia coli	Escherichia coli HVH 193 (4-3331423)
1014	clique-group	2531839033	Escherichia coli	Escherichia coli EC4421
1014	clique-group	2529293171	Escherichia coli	Escherichia coli 5.2239
1014	clique-group	2541047892	Escherichia coli	Escherichia coli UMEA 3097-1
1014	clique-group	2534682169	Escherichia coli	Escherichia coli P0305260.3
1014	clique-group	2531839153	Escherichia coli	Escherichia coli EC1845
1014	clique-group	642791630	Escherichia coli	Escherichia coli O157:H7 EC4024
1014	clique-group	2503538007	Escherichia coli	Escherichia coli K
1014	clique-group	2541047125	Escherichia coli	Escherichia coli 09BKT024447
1014	clique-group	2541047910	Escherichia coli	Escherichia coli UMEA 3185-1
1014	clique-group	2548876934	Escherichia coli	Escherichia coli C213_10
1014	clique-group	2529292833	Escherichia coli	Escherichia coli 2756500
1014	clique-group	2534682090	Escherichia coli	Escherichia coli P0304777.12
1014	clique-group	643886067	Escherichia coli	Escherichia coli 83972
1014	clique-group	2534682252	Escherichia coli	Escherichia coli PA7
1014	clique-group	646862341	Shigella flexneri	Shigella flexneri 2002017
1014	clique-group	2541047782	Escherichia coli	Escherichia coli HVH 144 (4-4451937)
1014	clique-group	2537562216	Escherichia coli	Escherichia coli P0302308.2
1014	clique-group	2541047844	Escherichia coli	Escherichia coli HVH 223 (4-2976528)
1014	clique-group	2531839254	Escherichia coli	Escherichia coli KTE105
1014	clique-group	2529292872	Escherichia coli	Escherichia coli O157:H- 493-89
1014	clique-group	2554235126	Escherichia coli	Escherichia coli HM46
1014	clique-group	2534682173	Escherichia coli	Escherichia coli P0304816.12
1014	clique-group	2526164601	Escherichia coli	Escherichia coli DEC9E
1014	clique-group	2534682329	Escherichia coli	Escherichia coli AD30
1014	clique-group	2541047501	Escherichia coli	Escherichia coli Tx3800
1014	clique-group	2547132415	Escherichia coli	Escherichia coli 174750
1014	clique-group	2534682233	Escherichia coli	Escherichia coli EC4448
1014	clique-group	2521172734	Escherichia coli	Escherichia coli DEC15C
1014	clique-group	2548876860	Escherichia coli	Escherichia coli C527_94
1014	clique-group	2541047757	Escherichia coli	Escherichia coli HVH 115 (4-4465997)
1014	clique-group	646311926	Escherichia coli	Escherichia coli K-12, MG1655
1014	clique-group	2529292729	Escherichia coli	Escherichia coli O111:H8 CFSAN001632
1014	clique-group	2531839128	Escherichia coli	Escherichia coli P0299917.3
1014	clique-group	2551306526	Escherichia coli	Escherichia coli chi7122
1014	clique-group	2541047938	Escherichia coli	Escherichia coli UMEA 3329-1
1014	clique-group	2545824711	Escherichia coli	Escherichia coli P0298942.4
1014	clique-group	2541047682	Escherichia coli	Escherichia coli HVH 5 (4-7148410)
1014	clique-group	2541047746	Escherichia coli	Escherichia coli HVH 102 (4-6906788)
1014	clique-group	2534681832	Escherichia coli	Escherichia coli DEC8A
1014	clique-group	2534681876	Escherichia coli	Escherichia coli PA31
1014	clique-group	651053024	Escherichia coli	Escherichia coli UMNK88
1014	clique-group	2534681662	Escherichia coli	Escherichia coli 2788150
1014	clique-group	2551306491	Escherichia coli	Escherichia coli O157:H7 H093800014

1014	clique-group	2522572164	Escherichia coli	Escherichia coli O104:H4 Ec11-9941
1014	clique-group	2541047907	Escherichia coli	Escherichia coli UMEA 3176-1
1014	clique-group	2551306139	Escherichia coli	Escherichia coli O157:H- 493-89
1014	clique-group	2541047439	Escherichia coli	Escherichia coli B104
1014	clique-group	2531839252	Escherichia coli	Escherichia coli KTE109
1014	clique-group	2534682162	Escherichia coli	Escherichia coli E1167
1014	clique-group	2537561944	Escherichia coli	Escherichia coli O26:H11 900105 (10e)
1014	clique-group	2531839235	Escherichia coli	Escherichia coli 99.1793
1014	clique-group	2529293173	Escherichia coli	Escherichia coli 6.0172
1014	clique-group	643348548	Escherichia coli	Escherichia coli O127:H6 E2348/69 (EPEC)
1014	clique-group	2537561508	Escherichia coli	Escherichia coli EC1863
1014	clique-group	2548876863	Escherichia coli	Escherichia coli C751_03
1014	clique-group	2531839468	Escherichia coli	Escherichia coli 3030-1
1014	clique-group	2529292828	Escherichia coli	Escherichia coli 2780750
1014	clique-group	2534682298	Escherichia coli	Escherichia coli 93.0055
1014	clique-group	2537561712	Escherichia coli	Escherichia coli 99.0814
1014	clique-group	2541047930	Escherichia coli	Escherichia coli UMEA 3268-1
1014	clique-group	646862324	Escherichia coli	Escherichia coli BL21(DE3)
1014	clique-group	2541047695	Escherichia coli	Escherichia coli HVH 21 (4-4517873)
1014	clique-group	2541047739	Escherichia coli	Escherichia coli HVH 87 (4-5977630)
1014	clique-group	2531839479	Escherichia coli	Escherichia coli P0299438.7
1014	clique-group	2534681940	Escherichia coli	Escherichia coli DEC4C
1014	clique-group	2531839441	Escherichia coli	Escherichia coli MP021017.2
1014	clique-group	2534681762	Escherichia coli	Escherichia coli ThroopD
1014	clique-group	2529293151	Escherichia coli	Escherichia coli P0304816.6
1014	clique-group	2537561690	Escherichia coli	Escherichia coli P0305260.15
1014	clique-group	2541047123	Escherichia coli	Escherichia coli O9BKT076207
1014	clique-group	640427142	Shigella dysenteriae	Shigella dysenteriae Sd197
1014	clique-group	2541047703	Escherichia coli	Escherichia coli HVH 30 (4-2661829)
1014	clique-group	2541047732	Escherichia coli	Escherichia coli HVH 77 (4-2605759)
1014	clique-group	2529293000	Escherichia coli	Escherichia coli KTE88
1014	clique-group	2529293249	Escherichia coli	Escherichia coli MT8
1014	clique-group	2541047773	Escherichia coli	Escherichia coli HVH 141 (4-5995973)
1014	clique-group	2537561974	Escherichia coli	Escherichia coli KTE129
1014	clique-group	2537562192	Escherichia coli	Escherichia coli O91:H- 99.0741
1014	clique-group	2541047725	Escherichia coli	Escherichia coli HVH 65 (4-2262045)
1014	clique-group	2547132386	Escherichia coli	Escherichia coli O104:H4 H112180280
1014	clique-group	2541047835	Escherichia coli	Escherichia coli HVH 207 (4-3113221)
1014	clique-group	2519899551	Escherichia coli	Escherichia coli J53
1014	clique-group	2529292724	Escherichia coli	Escherichia coli 2866750
1014	clique-group	2531839523	Escherichia coli	Escherichia coli 2845350
1014	clique-group	2541047680	Escherichia coli	Escherichia coli HVH 3 (4-7276001)
1014	clique-group	2541047894	Escherichia coli	Escherichia coli UMEA 3087-1
1014	clique-group	2534681899	Escherichia coli	Escherichia coli KTE90
1014	clique-group	2529293039	Escherichia coli	Escherichia coli DEC2D
1014	clique-group	2534682176	Escherichia coli	Escherichia coli P0304816.11
1014	clique-group	651053021	Escherichia coli	Escherichia coli LF82
1014	clique-group	641522623	Escherichia coli	Escherichia coli C ATCC 8739
1014	clique-group	2537561935	Escherichia coli	Escherichia coli MP021552.7
1014	clique-group	2531839368	Escherichia coli	Escherichia coli EC4436
1014	clique-group	2541047811	Escherichia coli	Escherichia coli HVH 199 (4-5670322)
1014	clique-group	2537562221	Escherichia coli	Escherichia coli P0298942.15
1014	clique-group	2541047766	Escherichia coli	Escherichia coli HVH 133 (4-4466519)
1014	clique-group	2529293069	Escherichia coli	Escherichia coli TW06591
1014	clique-group	2526164669	Escherichia coli	Escherichia coli DEC11B
1014	clique-group	2531839103	Escherichia coli	Escherichia coli 97.0003
1014	clique-group	2537561710	Escherichia coli	Escherichia coli 99.0670
1014	clique-group	2541047796	Escherichia coli	Escherichia coli HVH 159 (4-5818141)
1014	clique-group	2554235190	Escherichia coli	Escherichia coli O157 NCCP15738
1014	clique-group	2554235184	Escherichia coli	Escherichia coli MC19
1014	clique-group	2534681651	Escherichia coli	Escherichia coli TA124
1014	clique-group	2548876961	Escherichia coli	Escherichia coli C842_97
1014	clique-group	2541047914	Escherichia coli	Escherichia coli UMEA 3257-1
1014	clique-group	2531839665	Escherichia coli	Escherichia coli O145:H2 4.0967
1014	clique-group	2541047859	Escherichia coli	Escherichia coli HVH 220 (4-5876842)
1014	clique-group	2534681900	Escherichia coli	Escherichia coli KTE97
1014	clique-group	2537561618	Shigella flexneri	Shigella flexneri 4343-70
1014	clique-group	2534682051	Escherichia coli	Escherichia coli O104:H4 11-4632 C5
1014	clique-group	2516143081	Escherichia coli	Escherichia coli O32:H37 P4
1014	clique-group	2534681878	Escherichia coli	Escherichia coli PA22
1014	clique-group	2537561506	Escherichia coli	Escherichia coli EC1865
1014	clique-group	2541047433	Escherichia coli	Escherichia coli B40-1
1014	clique-group	2529292730	Escherichia coli	Escherichia coli O26:H11 CFSAN001629
1014	clique-group	2548876700	Escherichia coli	Escherichia coli C1244_91
1014	clique-group	2541047877	Escherichia coli	Escherichia coli KOEGE 62 (175a)
1014	clique-group	2537562092	Escherichia coli	Escherichia coli H494
1014	clique-group	637000108	Escherichia coli	Escherichia coli O157:H7 Sakai (EHEC)
1014	clique-group	2529293050	Escherichia coli	Escherichia coli O104:H4 11-4522
1014	clique-group	2529292922	Escherichia coli	Escherichia coli DEC1C
1014	clique-group	2541047701	Escherichia coli	Escherichia coli HVH 28 (4-0907367)
1014	clique-group	2541047962	Escherichia coli	Escherichia coli UMEA 4075-1
1014	clique-group	2534682107	Escherichia coli	Escherichia coli 3.4870

1014	clique-group	2534681658	Escherichia coli	Escherichia coli 2860050
1014	clique-group	2534681743	Escherichia coli	Escherichia coli MS 110-3
1014	clique-group	2529292975	Escherichia coli	Escherichia coli PA33
1014	clique-group	2526164603	Escherichia coli	Escherichia coli TW10246
1014	clique-group	2537561946	Escherichia coli	Escherichia coli O157:H39 TW07793
1014	clique-group	2541047842	Escherichia coli	Escherichia coli HVH 215 (4-3008371)
1014	clique-group	2526164612	Escherichia coli	Escherichia coli 11-02030
1014	clique-group	2529292890	Escherichia coli	Escherichia coli MS 57-2
1014	clique-group	2548876964	Escherichia coli	Escherichia coli OK1114
1014	clique-group	645951847	Escherichia coli	Escherichia coli O157:H7 FR1K2000
1014	clique-group	2534681994	Escherichia coli	Escherichia coli PA47
1014	clique-group	2541047440	Escherichia coli	Escherichia coli B85
1014	clique-group	648276644	Escherichia coli	Escherichia coli H591
1014	clique-group	2537561859	Escherichia coli	Escherichia coli KTE117
1014	clique-group	2537562150	Escherichia coli	Escherichia coli N1
1014	clique-group	648276654	Escherichia coli	Escherichia coli MS 146-1
1014	clique-group	2534681978	Escherichia coli	Escherichia coli O104:H4 HUSEC41
1014	clique-group	2526164667	Escherichia coli	Escherichia coli DEC9D
1014	clique-group	2529292998	Escherichia coli	Escherichia coli O127:B8 C43/90
1014	clique-group	2545824742	Escherichia coli	Escherichia coli E2265
1014	clique-group	2534682307	Escherichia coli	Escherichia coli NE037
1014	clique-group	2537561575	Escherichia coli	Escherichia coli P0302308.5
1014	clique-group	2534682092	Escherichia coli	Escherichia coli P0304777.5
1014	clique-group	2534682171	Escherichia coli	Escherichia coli P0304816.14
1014	clique-group	2541047815	Escherichia coli	Escherichia coli HVH 195 (3-7155360)
1014	clique-group	641736222	Escherichia coli	Escherichia coli O157:H7 EC4486
1014	clique-group	641736220	Escherichia coli	Escherichia coli O157:H7 EC4076
1014	clique-group	2537561992	Escherichia coli	Escherichia coli EPECa14
1014	clique-group	2548876949	Escherichia coli	Escherichia coli C654_09
1014	clique-group	648276660	Escherichia coli	Escherichia coli MS 198-1
1014	clique-group	2541047890	Escherichia coli	Escherichia coli UMEA 3113-1
1014	clique-group	2537562172	Escherichia coli	Escherichia coli STEC_S1191
1014	clique-group	2529293145	Escherichia coli	Escherichia coli P0304777.15
1014	clique-group	2534682228	Escherichia coli	Escherichia coli FDA505
1014	clique-group	2534681996	Escherichia coli	Escherichia coli PCN033
1014	clique-group	2531839145	Escherichia coli	Escherichia coli KTE150
1014	clique-group	2531839101	Escherichia coli	Escherichia coli 96.0107
1014	clique-group	2531839481	Escherichia coli	Escherichia coli KTE145
1014	clique-group	2534682327	Escherichia coli	Escherichia coli P0299438.11
1014	clique-group	2548876936	Escherichia coli	Escherichia coli C295_10
1014	clique-group	2541047860	Escherichia coli	Escherichia coli HVH 221 (4-3136817)
1014	clique-group	2541047932	Escherichia coli	Escherichia coli UMEA 3292-1
1014	clique-group	2531839667	Escherichia coli	Escherichia coli O157:H45 3003
1014	clique-group	2541047946	Escherichia coli	Escherichia coli UMEA 3609-1
1014	clique-group	2541047805	Escherichia coli	Escherichia coli HVH 164 (4-5953081)
1014	clique-group	2529293153	Escherichia coli	Escherichia coli P0304816.8
1014	clique-group	2547132041	Escherichia coli	Escherichia coli K-12, MG1655
1014	clique-group	2534681702	Escherichia coli	Escherichia coli MP021566.1
1014	clique-group	2529293215	Escherichia coli	Escherichia coli FR1K2001
1014	clique-group	2537561692	Escherichia coli	Escherichia coli p0305293.8
1014	clique-group	2548876953	Escherichia coli	Escherichia coli C799_92
1014	clique-group	644736365	Escherichia coli	Escherichia coli O17:H52:H18 UMN026
1014	clique-group	2537561689	Escherichia coli	Escherichia coli p0305293.1
1014	clique-group	2529293041	Escherichia coli	Escherichia coli DEC2B
1014	clique-group	2541047956	Escherichia coli	Escherichia coli UMEA 3821-1
1014	clique-group	2531839437	Escherichia coli	Escherichia coli MP021017.6
1014	clique-group	2534682295	Escherichia coli	Escherichia coli 95.0083
1014	clique-group	644736363	Escherichia coli	Escherichia coli O157:H7 TW14359
1014	clique-group	2529293240	Shigella flexneri	Shigella flexneri J1713
1014	clique-group	2541047869	Escherichia coli	Escherichia coli UMEA 3014-1
1014	clique-group	2529292715	Shigella flexneri	Shigella flexneri VA-6
1014	clique-group	2541047789	Escherichia coli	Escherichia coli HVH 153 (3-9344314)
1014	clique-group	638341082	Escherichia coli	Escherichia coli 101-1
1014	clique-group	638341089	Escherichia coli	Escherichia coli O139:H28 F11 (ETEC)
1014	clique-group	2541047823	Escherichia coli	Escherichia coli HVH 187 (4-4471660)
1014	clique-group	2541047806	Escherichia coli	Escherichia coli HVH 163 (4-4697553)
1014	clique-group	2531839662	Escherichia coli	Escherichia coli O147:H- 2.3916
1014	clique-group	2541047689	Escherichia coli	Escherichia coli HVH 17 (4-7473087)
1014	clique-group	2548876951	Escherichia coli	Escherichia coli C743_03
1014	clique-group	2531839327	Escherichia coli	Escherichia coli P0305260.8
1014	clique-group	2554235187	Escherichia coli	Escherichia coli AB43739056-isolate1
1014	clique-group	2534681705	Escherichia coli	Escherichia coli MP021561.3
1014	clique-group	647533161	Escherichia coli	Escherichia coli FVEC1412
1014	clique-group	2531839554	Escherichia coli	Escherichia coli MS 60-1
1014	clique-group	2531839237	Escherichia coli	Escherichia coli 99.0839
1014	clique-group	2534681772	Escherichia coli	Escherichia coli DEC13B
1014	clique-group	2534681764	Escherichia coli	Escherichia coli 174900
1014	clique-group	2541047697	Escherichia coli	Escherichia coli HVH 24 (4-5985145)
1014	clique-group	2547132253	Escherichia coli	Escherichia coli O45:H2 95.0941
1014	clique-group	2529292869	Escherichia coli	Escherichia coli O55:H7 LSU-61
1014	clique-group	2541047715	Escherichia coli	Escherichia coli HVH 46 (4-2758776)
1014	clique-group	2526164674	Escherichia coli	Escherichia coli EC1738

1014	clique-group	2531839134	Escherichia coli	Escherichia coli KTE148
1014	clique-group	2545824713	Escherichia coli	Escherichia coli P0299483.2
1014	clique-group	2547132217	Escherichia coli	Escherichia coli EC4127
1014	clique-group	2541047744	Escherichia coli	Escherichia coli HVH 96 (4-5934869)
1014	clique-group	2529292978	Escherichia coli	Escherichia coli PA38
1014	clique-group	2541047968	Escherichia coli	Escherichia coli UMEA 3718-1
1014	clique-group	2529292829	Escherichia coli	Escherichia coli 2785200
1014	clique-group	2531839586	Escherichia coli	Escherichia coli p0305293.15
1014	clique-group	2537561824	Escherichia coli	Escherichia coli P0301867.3
1014	clique-group	646311924	Escherichia coli	Escherichia coli O111:H 11128
1014	clique-group	2541047905	Escherichia coli	Escherichia coli UMEA 3174-1
1014	clique-group	2521172733	Escherichia coli	Escherichia coli DEC15D
1014	clique-group	2534682160	Escherichia coli	Escherichia coli STEC_94C
1014	clique-group	2537561776	Escherichia coli	Escherichia coli 11-02318
1014	clique-group	2548876865	Escherichia coli	Escherichia coli C807_09
1014	clique-group	2554235182	Escherichia coli	Escherichia coli AB42554418-isolate1
1014	clique-group	2541047784	Escherichia coli	Escherichia coli HVH 146 (4-3189767)
1014	clique-group	2541047741	Escherichia coli	Escherichia coli HVH 89 (4-5885604)
1014	clique-group	2534681626	Escherichia coli	Escherichia coli P0299917.8
1014	clique-group	648276652	Escherichia coli	Escherichia coli MS 119-7
1014	clique-group	2534681936	Escherichia coli	Escherichia coli DECSA
1014	clique-group	2541047850	Escherichia coli	Escherichia coli KOEGE 10 (25a)
1014	clique-group	2548876699	Escherichia coli	Escherichia coli C12_92
1014	clique-group	2551306675	Escherichia coli	Escherichia coli O91
1014	clique-group	2529293139	Escherichia coli	Escherichia coli E1520
1014	clique-group	2541047813	Escherichia coli	Escherichia coli HVH 197 (4-4466217)
1014	clique-group	2534681697	Shigella boydii	Shigella boydii serotype 7 AMC 4006, ATCC 9905
1014	clique-group	638341084	Escherichia coli	Escherichia coli O111:NM B171 (EPEC2)
1014	clique-group	2531839529	Escherichia coli	Escherichia coli 2720900
1014	clique-group	2541047708	Escherichia coli	Escherichia coli HVH 39 (4-2679949)
1014	clique-group	2548876946	Escherichia coli	Escherichia coli C652_10
1014	clique-group	2545824715	Escherichia coli	Escherichia coli P0305260.2
1014	clique-group	2541047735	Escherichia coli	Escherichia coli HVH 80 (4-2428830)
1014	clique-group	2537561972	Escherichia coli	Escherichia coli KTE137
1014	clique-group	2547132281	Escherichia coli	Escherichia coli TW14425
1014	clique-group	2541047798	Escherichia coli	Escherichia coli HVH 175 (4-3405184)
1014	clique-group	2537562215	Escherichia coli	Escherichia coli P0302308.3
1014	clique-group	2537562194	Escherichia coli	Escherichia coli O111:H- JB1-95
1014	clique-group	2541047734	Escherichia coli	Escherichia coli HVH 79 (4-2512823)
1014	clique-group	2537561930	Escherichia coli	Escherichia coli 201600.1
1014	clique-group	2529292985	Shigella dysenteriae	Shigella dysenteriae CDC 74-1112
1014	clique-group	648276670	Escherichia coli	Escherichia coli TA271
1014	clique-group	2541047771	Escherichia coli	Escherichia coli HVH 139 (4-3192644)
1014	clique-group	2531839477	Escherichia coli	Escherichia coli P0299438.10
1014	clique-group	2529292722	Escherichia coli	Escherichia coli 2866450
1014	clique-group	2537561774	Escherichia coli	Escherichia coli 11-02093
1014	clique-group	2526164650	Shigella flexneri	Shigella flexneri 2930-71
1014	clique-group	2537561937	Escherichia coli	Escherichia coli 199900.1
1014	clique-group	2541047837	Escherichia coli	Escherichia coli HVH 209 (4-3062651)
1014	clique-group	2537561715	Escherichia coli	Escherichia coli 99.0815
1014	clique-group	2547132127	Shigella flexneri	Shigella flexneri 5a M90T
1014	clique-group	2548876960	Escherichia coli	Escherichia coli C844_97
1014	clique-group	2529292757	Escherichia coli	Escherichia coli KTE174
1014	clique-group	2537562195	Escherichia coli	Escherichia coli O113:H12 96.154
1014	clique-group	2526164688	Escherichia coli	Escherichia coli DEC9A
1014	clique-group	2534681774	Escherichia coli	Escherichia coli DEC12E
1014	clique-group	2531839645	Escherichia coli	Escherichia coli EC1847
1014	clique-group	2529292728	Escherichia coli	Escherichia coli O111:H11 CFSAN001630
1014	clique-group	2529292735	Escherichia coli	Escherichia coli DEC14C
1014	clique-group	2541047737	Escherichia coli	Escherichia coli HVH 84 (4-1021478)
1014	clique-group	2534681664	Escherichia coli	Escherichia coli 2864350
1014	clique-group	2519899836	Escherichia coli	Escherichia coli O104:H4 09-7901
1014	clique-group	2529292871	Escherichia coli	Escherichia coli O55:H7 USDA 5905
1014	clique-group	2541047747	Escherichia coli	Escherichia coli HVH 103 (4-5904188)
1014	clique-group	2531839331	Escherichia coli	Escherichia coli P0302293.9
1014	clique-group	2541047727	Escherichia coli	Escherichia coli HVH 69 (4-2837072)
1014	clique-group	2541047126	Escherichia coli	Escherichia coli 08BKT7219
1014	clique-group	638341087	Escherichia coli	Escherichia coli E22 (EPEC)
1014	clique-group	2541047924	Escherichia coli	Escherichia coli UMEA 3230-1
1014	clique-group	2541047831	Escherichia coli	Escherichia coli HVH 203 (4-3126218)
1014	clique-group	2548876957	Escherichia coli	Escherichia coli C792_92
1014	clique-group	2526164652	Shigella flexneri	Shigella flexneri K-272
1014	clique-group	2537562187	Escherichia coli	Escherichia coli 11-04080
1014	clique-group	2526164632	Escherichia coli	Escherichia coli DEC12C
1014	clique-group	2529292913	Escherichia coli	Escherichia coli DEC7C
1014	clique-group	2526164663	Escherichia coli	Escherichia coli DEC10C
1014	clique-group	2541047768	Escherichia coli	Escherichia coli HVH 135 (4-4449320)
1014	clique-group	2531839374	Shigella flexneri	Shigella flexneri 1485-80
1014	clique-group	2531839336	Escherichia coli	Escherichia coli P0305260.11
1014	clique-group	2537561978	Escherichia coli	Escherichia coli H252
1014	clique-group	2526164691	Escherichia coli	Escherichia coli DEC9B
1014	clique-group	641736224	Escherichia coli	Escherichia coli O157:H7 EC869

1014	clique-group	2534682053	Escherichia coli	Escherichia coli O104:H4 11-4632 C4
1014	clique-group	2531839528	Escherichia coli	Escherichia coli BCE032_MS-12
1014	clique-group	2541047882	Escherichia coli	Escherichia coli UMEA 3150-1
1014	clique-group	2541047751	Escherichia coli	Escherichia coli HVH 109 (4-6977162)
1014	clique-group	2537561511	Escherichia coli	Escherichia coli EC1862
1014	clique-group	2548876693	Escherichia coli	Escherichia coli O91:H21 B2F1
1014	clique-group	2531839265	Escherichia coli	Escherichia coli 4_1_47FAA
1014	clique-group	2548876966	Escherichia coli	Escherichia coli LCT-EC106
1014	clique-group	2531839131	Escherichia coli	Escherichia coli P0299917.2
1014	clique-group	2541047730	Escherichia coli	Escherichia coli HVH 74 (4-1034782)
1014	clique-group	2548876947	Escherichia coli	Escherichia coli C58_11
1014	clique-group	2541047891	Escherichia coli	Escherichia coli UMEA 3108-1
1014	clique-group	2541047960	Escherichia coli	Escherichia coli UMEA 3899-1
1014	clique-group	2554235188	Escherichia coli	Escherichia coli MC6002
1014	clique-group	2551306674	Escherichia coli	Escherichia coli O91
1014	clique-group	2541047706	Escherichia coli	Escherichia coli HVH 33 (4-2174936)
1014	clique-group	2537561928	Escherichia coli	Escherichia coli MP021552.11
1014	clique-group	2548876866	Escherichia coli	Escherichia coli C93_11
1014	clique-group	2531839448	Escherichia coli	Escherichia coli TX1999
1014	clique-group	2529293046	Escherichia coli	Escherichia coli O104:H4 11-4632 C2
1014	clique-group	2534681758	Escherichia coli	Escherichia coli Envira 8/11
1014	clique-group	2529293036	Escherichia coli	Escherichia coli DEC3D
1014	clique-group	2537561684	Escherichia coli	Escherichia coli p0305293.6
1014	clique-group	2545824743	Escherichia coli	Escherichia coli E1777
1014	clique-group	2541047792	Escherichia coli	Escherichia coli HVH 156 (4-3206505)
1014	clique-group	2547132420	Escherichia coli	Escherichia coli P0302293.7
1014	clique-group	2541047903	Escherichia coli	Escherichia coli UMEA 3172-1
1014	clique-group	2534681988	Escherichia coli	Escherichia coli O26:H11 CVM10026
1014	clique-group	2531839476	Escherichia coli	Escherichia coli EPEC C342-62
1014	clique-group	2541047856	Escherichia coli	Escherichia coli KOEGE 44 (106a)
1014	clique-group	2537561709	Escherichia coli	Escherichia coli 97.1742
1014	clique-group	2541047435	Escherichia coli	Escherichia coli B89
1014	clique-group	2537562017	Escherichia coli	Escherichia coli 178200
1014	clique-group	2548876856	Escherichia coli	Escherichia coli C458_10
1014	clique-group	2529293084	Escherichia coli	Escherichia coli 90.0039
1014	clique-group	2547132214	Escherichia coli	Escherichia coli EC536
1014	clique-group	2541047772	Escherichia coli	Escherichia coli HVH 140 (4-5894387)
1014	clique-group	2541047742	Escherichia coli	Escherichia coli HVH 90 (4-3191362)
1014	clique-group	2541047714	Escherichia coli	Escherichia coli HVH 45 (4-3129918)
1014	clique-group	2531839486	Escherichia coli	Escherichia coli P0299438.4
1014	clique-group	2545824716	Escherichia coli	Escherichia coli P0301867.13
1014	clique-group	641522650	Shigella boydii	Shigella boydii B5512, CDC 3083-94
1014	clique-group	2541047169	Escherichia coli	Escherichia coli B90
1014	clique-group	650377933	Escherichia coli	Escherichia coli O83:H1 NRG 857C
1014	clique-group	2534681738	Escherichia coli	Escherichia coli TW14313
1014	clique-group	2541047779	Escherichia coli	Escherichia coli HVH 128 (4-7030436)
1014	clique-group	2534681736	Escherichia coli	Escherichia coli TW09195
1014	clique-group	2541047710	Escherichia coli	Escherichia coli HVH 41 (4-2677849)
1014	clique-group	2548876955	Escherichia coli	Escherichia coli C79_08
1014	clique-group	2531839454	Escherichia coli	Escherichia coli BCE034_MS-14
1014	clique-group	2531839664	Escherichia coli	Escherichia coli O121:H19 5.0959
1014	clique-group	2529292883	Escherichia coli	Escherichia coli E101
1014	clique-group	2531839371	Escherichia coli	Escherichia coli KTE128
1014	clique-group	2526164599	Escherichia coli	Escherichia coli DEC13D
1014	clique-group	2541047720	Escherichia coli	Escherichia coli HVH 56 (4-2153033)
1014	clique-group	648276650	Escherichia coli	Escherichia coli MS 115-1
1014	clique-group	2537561828	Escherichia coli	Escherichia coli P0301867.8
1014	clique-group	2531839036	Escherichia coli	Escherichia coli EC4422
1014	clique-group	2531839232	Escherichia coli	Escherichia coli 99.1781
1014	clique-group	2534681877	Escherichia coli	Escherichia coli PA3
1014	clique-group	2531839582	Escherichia coli	Escherichia coli p0305293.10
1014	clique-group	2531839155	Escherichia coli	Escherichia coli CB7326
1014	clique-group	2529292911	Escherichia coli	Escherichia coli DEC7A
1014	clique-group	2531839126	Escherichia coli	Escherichia coli P0299917.9
1014	clique-group	2531839157	Escherichia coli	Escherichia coli EC1736
1014	clique-group	2534681744	Escherichia coli	Escherichia coli MS 16-3
1014	clique-group	2541047786	Escherichia coli	Escherichia coli HVH 149 (4-4451880)
1014	clique-group	2529292836	Escherichia coli	Escherichia coli 2731150
1014	clique-group	2534682172	Escherichia coli	Escherichia coli P0304816.15
1014	clique-group	2541047918	Escherichia coli	Escherichia coli UMEA 3215-1
1014	clique-group	2541047935	Escherichia coli	Escherichia coli UMEA 3391-1
1014	clique-group	2541047808	Escherichia coli	Escherichia coli HVH 161 (4-3119890)
1014	clique-group	2529292887	Escherichia coli	Escherichia coli 0.1288
1014	clique-group	2541047801	Escherichia coli	Escherichia coli HVH 171 (4-3191958)
1014	clique-group	2529292909	Escherichia coli	Escherichia coli DEC6D
1014	clique-group	2531839446	Escherichia coli	Escherichia coli RN587/1
1014	clique-group	2534681990	Escherichia coli	Escherichia coli O111:H8 CVM9570
1014	clique-group	2534682108	Escherichia coli	Escherichia coli 3006
1014	clique-group	2541047957	Escherichia coli	Escherichia coli UMEA 3805-1
1014	clique-group	2531839672	Escherichia coli	Escherichia coli 96.0428
1014	clique-group	2554235177	Escherichia coli	Escherichia coli 112469218-isolate1
1014	clique-group	2534682325	Escherichia coli	Escherichia coli O157:H7 1212

1014	clique-group	2534682166	Escherichia coli	Escherichia coli O104:H4 C236-11
1014	clique-group	2529293146	Escherichia coli	Escherichia coli P0304816.3
1014	clique-group	2541047825	Escherichia coli	Escherichia coli HVH 185 (4-2876639)
1014	clique-group	2541047947	Escherichia coli	Escherichia coli UMEA 3617-1
1014	clique-group	2537562193	Escherichia coli	Escherichia coli 11-02281
1014	clique-group	2511231131	Escherichia coli	Escherichia coli O55:H7 RM12579
1014	clique-group	2541047173	Escherichia coli	Escherichia coli B105
1014	clique-group	2529292920	Escherichia coli	Escherichia coli DEC1E
1014	clique-group	2548876944	Escherichia coli	Escherichia coli C497_10
1014	clique-group	2534681835	Escherichia coli	Escherichia coli DEC8E
1014	clique-group	648231706	Escherichia coli	Escherichia coli AIEC UM146
1014	clique-group	2534682258	Escherichia coli	Escherichia coli PA49
1014	clique-group	2548876938	Escherichia coli	Escherichia coli C260_92
1014	clique-group	2516143031	Escherichia coli	Escherichia coli O157:H43 T22
1014	clique-group	2537562231	Escherichia coli	Escherichia coli 3431
1014	clique-group	2529293248	Escherichia coli	Escherichia coli HM605
1014	clique-group	2541047436	Escherichia coli	Escherichia coli B103
1014	clique-group	637000107	Escherichia coli	Escherichia coli O157:H7 EDL933 (EHEC)
1014	clique-group	641736226	Escherichia coli	Escherichia coli O157:H7 EC508
1014	clique-group	2541047926	Escherichia coli	Escherichia coli UMEA 3240-1
1014	clique-group	2547132417	Escherichia coli	Escherichia coli 2854350
1014	clique-group	2526164665	Escherichia coli	Escherichia coli DEC10A
1014	clique-group	2541047679	Escherichia coli	Escherichia coli HVH 2 (4-6943160)
1014	clique-group	637000263	Shigella flexneri	Shigella flexneri 2a 2457T
1014	clique-group	2529292726	Escherichia coli	Escherichia coli 2875150
1014	clique-group	2541047849	Escherichia coli	Escherichia coli KOEGE 7 (16a)
1014	clique-group	648276648	Escherichia coli	Escherichia coli M718
1014	clique-group	2541047499	Escherichia coli	Escherichia coli 2886-75
1014	clique-group	2541047873	Escherichia coli	Escherichia coli KOEGE 73 (195a)
1014	clique-group	2534682000	Escherichia coli	Escherichia coli 8.2524
1014	clique-group	2534681999	Escherichia coli	Escherichia coli 7.1982
1014	clique-group	2541047166	Escherichia coli	Escherichia coli B29-1
1014	clique-group	2531839329	Escherichia coli	Escherichia coli P0305260.10
1014	clique-group	2541047863	Escherichia coli	Escherichia coli KOEGE 58 (171a)
1014	clique-group	2551306487	Escherichia coli	Escherichia coli LCT-EC52
1014	clique-group	2541047965	Escherichia coli	Escherichia coli UMEA 3703-1
1014	clique-group	2531839588	Escherichia coli	Escherichia coli 178850
1014	clique-group	2541047778	Escherichia coli	Escherichia coli HVH 127 (4-7303629)
1014	clique-group	2531839028	Escherichia coli	Escherichia coli EC1868
1014	clique-group	2513237219	Escherichia coli	Escherichia coli P12b
1014	clique-group	2529293064	Escherichia coli	Escherichia coli P0302308.11
1014	clique-group	2526164618	Shigella flexneri	Shigella flexneri K-671
1014	clique-group	2541047119	Escherichia coli	Escherichia coli 08BKT055439
1014	clique-group	2554235122	Escherichia coli	Escherichia coli K-12 subMG1655
1014	clique-group	2548876855	Escherichia coli	Escherichia coli C354_03B
1014	clique-group	2531839193	Shigella sonnei	Shigella sonnei 3226-85
1014	clique-group	2545824709	Escherichia coli	Escherichia coli P0299483.3
1014	clique-group	2554235186	Escherichia coli	Escherichia coli MC21
1014	clique-group	2526164621	Shigella flexneri	Shigella flexneri K-304
1014	clique-group	2531839622	Escherichia coli	Escherichia coli PA10
1014	clique-group	2541047427	Escherichia coli	Escherichia coli B29-2
1014	clique-group	2541047912	Escherichia coli	Escherichia coli UMEA 3160-1
1014	clique-group	2529292747	Escherichia coli	Escherichia coli PA2
1014	clique-group	2548876942	Escherichia coli	Escherichia coli C488_07
1014	clique-group	2534681939	Escherichia coli	Escherichia coli DEC3F
1014	clique-group	2519899564	Escherichia coli	Escherichia coli O26:H11 CVM9952
1014	clique-group	2541047753	Escherichia coli	Escherichia coli HVH 111 (4-7039018)
1014	clique-group	2541047839	Escherichia coli	Escherichia coli HVH 211 (4-3041891)
1014	clique-group	2548876959	Escherichia coli	Escherichia coli C87_11
1014	clique-group	2531839195	Shigella flexneri	Shigella flexneri K-404
1014	clique-group	2534681897	Escherichia coli	Escherichia coli KTE95
1014	clique-group	648276659	Escherichia coli	Escherichia coli MS 196-1
1014	clique-group	648276665	Escherichia coli	Escherichia coli MS 78-1
1014	clique-group	2541047854	Escherichia coli	Escherichia coli KOEGE 40 (102a)
1014	clique-group	2541047719	Escherichia coli	Escherichia coli HVH 55 (4-2646161)
1014	clique-group	2548876861	Escherichia coli	Escherichia coli C639_08
1014	clique-group	2541047175	Escherichia coli	Escherichia coli B113
1014	clique-group	2541047704	Escherichia coli	Escherichia coli HVH 31 (4-2602156)
1014	clique-group	2541047794	Escherichia coli	Escherichia coli HVH 158 (4-3224287)
1014	clique-group	2531839127	Escherichia coli	Escherichia coli P0299917.10
1014	clique-group	2531839178	Shigella boydii	Shigella boydii 965-58
1014	clique-group	2541047740	Escherichia coli	Escherichia coli HVH 88 (4-5854636)
1014	clique-group	2537562222	Escherichia coli	Escherichia coli P0298942.14
1014	clique-group	2526164597	Escherichia coli	Escherichia coli DEC14D
1014	clique-group	2541047898	Escherichia coli	Escherichia coli UMEA 3199-1
1014	clique-group	2516143071	Escherichia coli	Escherichia coli O104:H4 11-3677
1014	clique-group	2540341016	Escherichia coli	Escherichia coli P0298942.8
1014	clique-group	2541047731	Escherichia coli	Escherichia coli HVH 76 (4-2538717)
1014	clique-group	2540341028	Shigella flexneri	Shigella flexneri CDC 796-83
1014	clique-group	2534681661	Escherichia coli	Escherichia coli 2850400
1014	clique-group	2529293038	Escherichia coli	Escherichia coli DEC2C
1014	clique-group	2537562197	Escherichia coli	Escherichia coli 11-02913

1014	clique-group	2529293079	Escherichia coli	Escherichia coli 90.2281
1014	clique-group	2529292907	Escherichia coli	Escherichia coli DEC6B
1014	clique-group	2547132393	Escherichia coli	Escherichia coli O104:H4 TY-2482
1014	clique-group	2534681776	Escherichia coli	Escherichia coli O9BKT078844
1014	clique-group	2531839333	Escherichia coli	Escherichia coli P0305260.6
1014	clique-group	2531839619	Escherichia coli	Escherichia coli PA14
1014	clique-group	2541047723	Escherichia coli	Escherichia coli HVH 61 (4-2736020)
1014	clique-group	2541047722	Escherichia coli	Escherichia coli HVH 59 (4-1119338)
1014	clique-group	2541047799	Escherichia coli	Escherichia coli HVH 173 (3-9175482)
1014	clique-group	2541047802	Escherichia coli	Escherichia coli HVH 170 (4-3026949)
1014	clique-group	2537561931	Escherichia coli	Escherichia coli 2851500
1014	clique-group	2526164647	Shigella flexneri	Shigella flexneri K-218
1014	clique-group	2526164661	Escherichia coli	Escherichia coli DEC10E
1014	clique-group	2534681782	Escherichia coli	Escherichia coli KTE180
1014	clique-group	2541047833	Escherichia coli	Escherichia coli HVH 205 (4-3094677)
1014	clique-group	2541047729	Escherichia coli	Escherichia coli HVH 73 (4-2393174)
1014	clique-group	2529292889	Escherichia coli	Escherichia coli 07798
1014	clique-group	2531839666	Escherichia coli	Escherichia coli O128:H2 9.0111
1014	clique-group	2545824718	Escherichia coli	Escherichia coli P0301867.2
1014	clique-group	2541047443	Escherichia coli	Escherichia coli B106
1014	clique-group	2541047712	Escherichia coli	Escherichia coli HVH 43 (4-2173468)
1014	clique-group	2537561713	Escherichia coli	Escherichia coli 99.0672
1014	clique-group	2541047959	Escherichia coli	Escherichia coli UMEA 3893-1
1014	clique-group	2526164670	Escherichia coli	Escherichia coli EC4100B
1014	clique-group	2534682230	Escherichia coli	Escherichia coli FDA507
1014	clique-group	2529293061	Escherichia coli	Escherichia coli P0302308.14
1014	clique-group	2537562012	Escherichia coli	Escherichia coli BCE002_MS12
1014	clique-group	2529292885	Escherichia coli	Escherichia coli 10.0833
1014	clique-group	2541047884	Escherichia coli	Escherichia coli UMEA 3140-1
1014	clique-group	2531839584	Escherichia coli	Escherichia coli 180200
1014	clique-group	643348545	Escherichia coli	Escherichia coli O81 ED1a
1014	clique-group	2537561826	Escherichia coli	Escherichia coli P0301867.5
1014	clique-group	2531839531	Escherichia coli	Escherichia coli 2726800
1014	clique-group	2541047761	Escherichia coli	Escherichia coli HVH 118 (4-7345399)
1014	clique-group	2541047937	Escherichia coli	Escherichia coli UMEA 3318-1
1014	clique-group	2541047901	Escherichia coli	Escherichia coli UMEA 3162-1
1014	clique-group	2541047692	Escherichia coli	Escherichia coli HVH 37 (4-2773848)
1014	clique-group	2529293044	Escherichia coli	Escherichia coli DEC2E
1014	clique-group	2541047596	Escherichia coli	Escherichia coli O5:K4(L):H4, ATCC 23502
1014	clique-group	2548876962	Escherichia coli	Escherichia coli C887_10
1014	clique-group	2529293048	Escherichia coli	Escherichia coli O104:H4 11-4404
1014	clique-group	641736214	Escherichia coli	Escherichia coli O157:H7 EC4196
1014	clique-group	2548876697	Escherichia coli	Escherichia coli O103:H25 NIPH-11060424
1014	clique-group	2541047699	Escherichia coli	Escherichia coli HVH 26 (4-5703913)
1014	clique-group	2534682088	Escherichia coli	Escherichia coli P0304777.10
1014	clique-group	2545824741	Escherichia coli	Escherichia coli ATCC 25922
1014	clique-group	2548876858	Escherichia coli	Escherichia coli C581_05
1014	clique-group	2537562019	Escherichia coli	Escherichia coli 179550
1014	clique-group	2531839530	Escherichia coli	Escherichia coli 2722950
1014	clique-group	2541047756	Escherichia coli	Escherichia coli HVH 114 (4-7037740)
1014	clique-group	2529293217	Escherichia coli	Escherichia coli FR1K1997
1014	clique-group	2529293265	Shigella sonnei	Shigella sonnei Moseley
1014	clique-group	2548876695	Escherichia coli	Escherichia coli O45:H2 03-EN-705
1014	clique-group	2529292718	Escherichia coli	Escherichia coli 2871950
1014	clique-group	2534681833	Escherichia coli	Escherichia coli DEC7E
1014	clique-group	2529293082	Escherichia coli	Escherichia coli 88.1467
1014	clique-group	2541047790	Escherichia coli	Escherichia coli HVH 154 (4-5636698)
1014	clique-group	2541047690	Escherichia coli	Escherichia coli HVH 18 (4-8589585)
1014	clique-group	2534682159	Escherichia coli	Escherichia coli STEC_B2F1
1014	clique-group	2534682158	Escherichia coli	Escherichia coli STEC_C165-02
1014	clique-group	646862327	Escherichia coli	Escherichia coli O150:H5 SE15
1014	clique-group	2526164634	Escherichia coli	Escherichia coli DEC12D
1014	clique-group	2531839409	Escherichia coli	Escherichia coli KTE99
1014	clique-group	2534682256	Escherichia coli	Escherichia coli PA45
1014	clique-group	2534682164	Shigella sonnei	Shigella sonnei 53G
1014	clique-group	2523533513	Escherichia coli	Escherichia coli O104:H4 Ec11-4986
1014	clique-group	2541047896	Escherichia coli	Escherichia coli UMEA 3190-1
1014	clique-group	2541047171	Escherichia coli	Escherichia coli B83
1014	clique-group	2531839555	Escherichia coli	Escherichia coli H397
1014	clique-group	2541047818	Escherichia coli	Escherichia coli HVH 192 (4-3054470)
1014	clique-group	2541047916	Escherichia coli	Escherichia coli UMEA 3208-1
1014	clique-group	2554235124	Escherichia coli	Escherichia coli HM65
1014	clique-group	2529292755	Escherichia coli	Escherichia coli O104:H4 Ec11-9990
1014	clique-group	2551306392	Escherichia coli	Escherichia coli EC302/04
1014	clique-group	2541047444	Escherichia coli	Escherichia coli B112
1014	clique-group	2531839439	Escherichia coli	Escherichia coli MP021017.4
1014	clique-group	2531839143	Escherichia coli	Escherichia coli KD2
1014	clique-group	2541047428	Escherichia coli	Escherichia coli B36-2
1014	clique-group	2541047121	Escherichia coli	Escherichia coli T234_00
1014	clique-group	2554235179	Escherichia coli	Escherichia coli 112469215-isolate1
1014	clique-group	2548877010	Escherichia coli	Escherichia coli NCCP15658
1014	clique-group	2531839031	Escherichia coli	Escherichia coli EC4203

1014	clique-group	2541047128	Escherichia coli	Escherichia coli O104:H4 E92/11
1014	clique-group	2531839234	Escherichia coli	Escherichia coli 99.1805
1014	clique-group	2541047922	Escherichia coli	Escherichia coli UMEA 3221-1
1014	clique-group	638341085	Escherichia coli	Escherichia coli O148:H28 B7A (CS6:LT+:ST+)(ETEC)
1014	clique-group	2537561605	Escherichia coli	Escherichia coli ATCC 700728
1014	clique-group	2541047826	Escherichia coli	Escherichia coli HVH 184 (4-3343286)
1014	clique-group	646564533	Escherichia coli	Escherichia coli O55:H7 CB9615
1014	clique-group	2531839200	Escherichia coli	Escherichia coli PA48
1014	clique-group	2541047950	Escherichia coli	Escherichia coli UMEA 3656-1
1014	clique-group	2526164595	Escherichia coli	Escherichia coli DEC15A
1014	clique-group	2529293148	Escherichia coli	Escherichia coli P0304816.5
1014	clique-group	2541047687	Escherichia coli	Escherichia coli HVH 13 (4-7634056)
1014	clique-group	2534682003	Escherichia coli	Escherichia coli 8.0569
1014	clique-group	637000261	Shigella boydii	Shigella boydii Sb227
1014	clique-group	2531839432	Escherichia coli	Escherichia coli MP021017.11
1014	clique-group	2541047878	Escherichia coli	Escherichia coli KOEGE 61 (174a)
1014	clique-group	2537562219	Escherichia coli	Escherichia coli P0298942.12
1014	clique-group	2541047820	Escherichia coli	Escherichia coli HVH 190 (4-3255514)
1014	clique-group	2537561779	Escherichia coli	Escherichia coli 11-02092
1014	clique-group	2541047164	Escherichia coli	Escherichia coli B107
1014	clique-group	2541047865	Escherichia coli	Escherichia coli UMEA 3052-1
1014	clique-group	2534681701	Escherichia coli	Escherichia coli P0298942.1
1014	clique-group	2541047949	Escherichia coli	Escherichia coli UMEA 3702-1
1014	clique-group	641736116	Escherichia coli	Escherichia coli O157:H7 EC4401
1014	clique-group	2541047776	Escherichia coli	Escherichia coli HVH 125 (4-2634716)
1014	clique-group	2534682074	Escherichia coli	Escherichia coli KTE232
1014	clique-group	2541047871	Escherichia coli	Escherichia coli KOEGE 118 (317a)
1014	clique-group	2534682296	Escherichia coli	Escherichia coli 93-001
1014	clique-group	2529292874	Escherichia coli	Escherichia coli O157:H7 G5101
1014	clique-group	648276667	Escherichia coli	Escherichia coli NC101
1014	clique-group	2529292981	Escherichia coli	Escherichia coli PA40
1014	clique-group	2548876853	Escherichia coli	Escherichia coli C238_91
1014	clique-group	2531839484	Escherichia coli	Escherichia coli KTE138
1014	clique-group	2531839098	Escherichia coli	Escherichia coli 96.0932
1014	clique-group	647533158	Escherichia coli	Escherichia coli B088
1014	clique-group	2534681710	Escherichia coli	Escherichia coli KTE160
1014	clique-group	2541047940	Escherichia coli	Escherichia coli UMEA 3341-1
1014	clique-group	2529293246	Escherichia coli	Escherichia coli 541-1
1014	clique-group	2554235127	Escherichia coli	Escherichia coli HM27
1014	clique-group	2534681708	Escherichia coli	Escherichia coli KTE166
1014	clique-group	2541047438	Escherichia coli	Escherichia coli B109
1014	clique-group	2519899561	Escherichia coli	Escherichia coli O111:H8 CVM9602
1014	clique-group	2541047840	Escherichia coli	Escherichia coli HVH 212 (3-9305343)
1014	clique-group	641522625	Escherichia coli	Escherichia coli DH10B
1014	clique-group	637000110	Escherichia coli	Escherichia coli K12- W3110
1014	clique-group	2529292832	Escherichia coli	Escherichia coli 2749250
1014	clique-group	2531839474	Escherichia coli	Escherichia coli M919
1014	clique-group	2531839129	Escherichia coli	Escherichia coli P0299917.4
1014	clique-group	645058836	Escherichia sp.	Escherichia sp. 4_1_40B
1014	clique-group	637000105	Escherichia coli	Escherichia coli O6:K2:H1 CFT073 (UPEC)
1014	clique-group	2537561832	Escherichia coli	Escherichia coli O104:H4 Ec11-6006
1014	clique-group	2541047847	Escherichia coli	Escherichia coli HVH 228 (4-7787030)
1014	clique-group	2540341091	Escherichia coli	Escherichia coli APEC O78
1014	clique-group	2534681655	Escherichia coli	Escherichia coli 2862600
1014	clique-group	2554235344	Escherichia coli	Escherichia coli K-12 subMDS42
1014	clique-group	2528311135	Escherichia coli	Escherichia coli O1:K1:H7 US/41, DSM 30083
1014	clique-group	2534682002	Escherichia coli	Escherichia coli 8.0586
1014	clique-group	2534681934	Escherichia coli	Escherichia coli DEC4E
1014	clique-group	2541047745	Escherichia coli	Escherichia coli HVH 100 (4-2850729)
1014	clique-group	2531839580	Escherichia coli	Escherichia coli p0305293.12
1014	clique-group	2541047931	Escherichia coli	Escherichia coli UMEA 3271-1
1014	clique-group	2541047502	Escherichia coli	Escherichia coli 14A
1014	clique-group	2534681941	Escherichia coli	Escherichia coli DEC4B
1014	clique-group	2531839104	Escherichia coli	Escherichia coli 97.0007
1014	clique-group	2531839154	Escherichia coli	Escherichia coli XH140A
1014	clique-group	2522572165	Escherichia coli	Escherichia coli O104:H4 Ec11-9450
1014	clique-group	2541047758	Escherichia coli	Escherichia coli HVH 115 (4-4465989)
1014	clique-group	2541047431	Escherichia coli	Escherichia coli B93
1014	clique-group	2526164628	Escherichia coli	Escherichia coli DEC13A
1014	clique-group	2545824710	Escherichia coli	Escherichia coli P0298942.3
1014	clique-group	2531839326	Escherichia coli	Escherichia coli P0305260.7
1014	clique-group	2541047939	Escherichia coli	Escherichia coli UMEA 3337-1
1014	clique-group	2554235419	Escherichia coli	Escherichia coli LY180
1014	clique-group	2529293042	Escherichia coli	Escherichia coli DEC3C
1014	clique-group	648276657	Escherichia coli	Escherichia coli MS 185-1
1014	clique-group	2537562018	Escherichia coli	Escherichia coli BCE008_MS-01
1014	clique-group	2537561711	Escherichia coli	Escherichia coli 97.0010
1014	clique-group	2551306525	Escherichia coli	Escherichia coli IMT2125
1014	clique-group	2541047170	Escherichia coli	Escherichia coli B84
1014	clique-group	651053022	Escherichia coli	Escherichia coli NA114
1014	clique-group	2541047879	Escherichia coli	Escherichia coli UMEA 3065-1
1014	clique-group	2531839440	Escherichia coli	Escherichia coli MP021017.1

1014	clique-group	2531839450	Escherichia coli	Escherichia coli 1357
1014	clique-group	2534681761	Escherichia coli	Escherichia coli C-34666
1014	clique-group	2534682232	Escherichia coli	Escherichia coli EC4439
1014	clique-group	2531839236	Escherichia coli	Escherichia coli 99.0848
1014	clique-group	2537561991	Escherichia coli	Escherichia coli E128010
1014	clique-group	2531839032	Escherichia coli	Escherichia coli EC4196
1014	clique-group	2518645559	Escherichia coli	Escherichia coli O104:H4 2009EL-2050
1014	clique-group	643348547	Escherichia coli	Escherichia coli IA139
1014	clique-group	640753025	Escherichia coli	Escherichia coli O9 HS
1014	clique-group	2548876950	Escherichia coli	Escherichia coli C717_10
1014	clique-group	2526164594	Escherichia coli	Escherichia coli EC1734
1014	clique-group	2541047718	Escherichia coli	Escherichia coli HVH 53 (4-0631051)
1014	clique-group	2531839431	Escherichia coli	Escherichia coli O104:H4 Ec11-4984
1014	clique-group	2531839524	Escherichia coli	Escherichia coli 2845650
1014	clique-group	2531839179	Shigella dysenteriae	Shigella dysenteriae 155-74
1014	clique-group	2537562191	Escherichia coli	Escherichia coli O111:H- 4.0522
1014	clique-group	2534682299	Escherichia coli	Escherichia coli 94.0618
1014	clique-group	2537561933	Escherichia coli	Escherichia coli 2846750
1014	clique-group	641522624	Escherichia coli	Escherichia coli SECEC SMS-3-5
1014	clique-group	2537561936	Escherichia coli	Escherichia coli P02997067.6
1014	clique-group	2541047694	Escherichia coli	Escherichia coli HVH 20 (4-5865042)
1014	clique-group	2541047908	Escherichia coli	Escherichia coli UMEA 3178-1
1014	clique-group	2529292904	Escherichia coli	Escherichia coli DECS5
1014	clique-group	2529292723	Escherichia coli	Escherichia coli 2866550
1014	clique-group	2541047733	Escherichia coli	Escherichia coli HVH 78 (4-2735946)
1014	clique-group	2537561603	Escherichia coli	Escherichia coli AA86
1014	clique-group	2541047770	Escherichia coli	Escherichia coli HVH 138 (4-6066704)
1014	clique-group	2534681912	Escherichia coli	Escherichia coli H730
1014	clique-group	2541047122	Escherichia coli	Escherichia coli Bd5610_99
1014	clique-group	2529293075	Escherichia coli	Escherichia coli TW09098
1014	clique-group	2529292979	Escherichia coli	Escherichia coli PA39
1014	clique-group	2548876862	Escherichia coli	Escherichia coli C732_98
1014	clique-group	2534681781	Escherichia coli	Escherichia coli KTE177
1014	clique-group	2526164668	Escherichia coli	Escherichia coli DEC11A
1014	clique-group	2537561823	Escherichia coli	Escherichia coli P0301867.4
1014	clique-group	2529293138	Escherichia coli	Escherichia coli STEC_MHI813
1014	clique-group	2541047853	Escherichia coli	Escherichia coli KOEGE 33 (68a)
1014	clique-group	2534681673	Escherichia coli	Escherichia coli O8:H- 5.0588
1014	clique-group	2541047915	Escherichia coli	Escherichia coli UMEA 3206-1
1014	clique-group	2541047429	Escherichia coli	Escherichia coli B26-1
1014	clique-group	2519899604	Escherichia coli	Escherichia coli J96
1014	clique-group	648276666	Escherichia coli	Escherichia coli MS 84-1
1014	clique-group	2545824707	Escherichia coli	Escherichia coli 2733950
1014	clique-group	2541047763	Escherichia coli	Escherichia coli HVH 120 (4-6978681)
1014	clique-group	2537562220	Escherichia coli	Escherichia coli P0298942.11
1014	clique-group	2534681649	Shigella boydii	Shigella boydii 4444-74
1014	clique-group	2541047795	Escherichia coli	Escherichia coli HVH 182 (4-0985554)
1014	clique-group	2526164613	Escherichia coli	Escherichia coli DECSB
1014	clique-group	2541047810	Escherichia coli	Escherichia coli HVH 180 (4-3051617)
1014	clique-group	2534681793	Escherichia coli	Escherichia coli S17
1014	clique-group	2529293015	Escherichia coli	Escherichia coli B093
1014	clique-group	2541047897	Escherichia coli	Escherichia coli UMEA 3193-1
1014	clique-group	2541047793	Escherichia coli	Escherichia coli HVH 157 (4-3406229)
1014	clique-group	2511231170	Escherichia coli	Escherichia coli clone D i14
1014	clique-group	2537561830	Escherichia coli	Escherichia coli P0302293.2
1014	clique-group	2534682095	Escherichia coli	Escherichia coli P0304777.13
1014	clique-group	2537562152	Escherichia coli	Escherichia coli MA6
1014	clique-group	2547132219	Escherichia coli	Escherichia coli EC4192
1014	clique-group	2541047886	Escherichia coli	Escherichia coli UMEA 3124-1
1014	clique-group	2529292834	Escherichia coli	Escherichia coli 2741950
1014	clique-group	2529292997	Escherichia coli	Escherichia coli KTE82
1014	clique-group	2541047432	Escherichia coli	Escherichia coli B40-2
1014	clique-group	2537562021	Escherichia coli	Escherichia coli BCE011_MS-01
1014	clique-group	2534681935	Escherichia coli	Escherichia coli DEC4D
1014	clique-group	2534681703	Escherichia coli	Escherichia coli MP020980.2
1014	clique-group	2534682078	Escherichia coli	Escherichia coli 2534-86
1014	clique-group	2531839152	Escherichia coli	Escherichia coli EC1846
1014	clique-group	648276647	Escherichia coli	Escherichia coli M605
1014	clique-group	2534681993	Escherichia coli	Escherichia coli O26:H11 CVM9942
1014	clique-group	2541047765	Escherichia coli	Escherichia coli HVH 132 (4-6876862)
1014	clique-group	2541047876	Escherichia coli	Escherichia coli KOEGE 68 (182a)
1014	clique-group	2534682170	Escherichia coli	Escherichia coli P0305260.4
1014	clique-group	2541047941	Escherichia coli	Escherichia coli UMEA 3355-1
1014	clique-group	2519899565	Escherichia coli	Escherichia coli O26:H11 CVM10030
1014	clique-group	2547132277	Escherichia coli	Escherichia coli TW10598
1014	clique-group	2534681650	Escherichia coli	Escherichia coli PA28
1014	clique-group	2529292972	Escherichia coli	Escherichia coli PA41
1014	clique-group	2534681898	Escherichia coli	Escherichia coli KTE94
1014	clique-group	2529293219	Escherichia coli	Escherichia coli FR1K1990
1014	clique-group	2531839482	Escherichia coli	Escherichia coli P0299438.3
1014	clique-group	643348544	Escherichia coli	Escherichia coli 55989
1014	clique-group	2529293080	Escherichia coli	Escherichia coli 88.0221

1014	clique-group	2537561622	Shigella flexneri	Shigella flexneri 2747-71
1014	clique-group	2541047961	Escherichia coli	Escherichia coli UMEA 3955-1
1014	clique-group	2531839369	Escherichia coli	Escherichia coli O157:H7 1125
1014	clique-group	2531839207	Escherichia coli	Escherichia coli O111:H11 CVM9545
1014	clique-group	2529293037	Escherichia coli	Escherichia coli DEC3E
1014	clique-group	2526164690	Escherichia coli	Escherichia coli DEC8C
1014	clique-group	638341083	Escherichia coli	Escherichia coli O144 53638
1014	clique-group	648276661	Escherichia coli	Escherichia coli MS 200-1
1014	clique-group	2529293141	Escherichia coli	Escherichia coli STEC_EH250
1014	clique-group	2548876701	Escherichia coli	Escherichia coli C155_11
1014	clique-group	2541047834	Escherichia coli	Escherichia coli HVH 206 (4-3128229)
1014	clique-group	2545824644	Escherichia coli	Escherichia coli TW07509
1014	clique-group	2541047163	Escherichia coli	Escherichia coli B102
1014	clique-group	2547132254	Escherichia coli	Escherichia coli O88:H25 97.0264
1014	clique-group	2541047788	Escherichia coli	Escherichia coli HVH 151 (4-5755573)
1014	clique-group	2523533514	Escherichia coli	Escherichia coli O104:H4 Ec11-4987
1014	clique-group	648276668	Escherichia coli	Escherichia coli TA143
1014	clique-group	2541047828	Escherichia coli	Escherichia coli HVH 200 (4-4449924)
1014	clique-group	2531839149	Escherichia coli	Escherichia coli MP021552.12
1014	clique-group	2537561691	Escherichia coli	Escherichia coli P0305260.13
1014	clique-group	2529293142	Escherichia coli	Escherichia coli STEC_H.1.8
1014	clique-group	2529292716	Shigella sonnei	Shigella sonnei 4822-66
1014	clique-group	2541047920	Escherichia coli	Escherichia coli UMEA 3217-1
1014	clique-group	644736359	Escherichia coli	Escherichia coli B_REL606
1014	clique-group	2529293150	Escherichia coli	Escherichia coli P0304816.7
1014	clique-group	2541047953	Escherichia coli	Escherichia coli UMEA 3682-1
1014	clique-group	2541047893	Escherichia coli	Escherichia coli UMEA 3088-1
1014	clique-group	2519899779	Escherichia coli	Escherichia coli O104:H4 2011C-3493
1014	clique-group	2541047929	Escherichia coli	Escherichia coli UMEA 3264-1
1014	clique-group	2537562217	Escherichia coli	Escherichia coli P0298942.10
1014	clique-group	2541047951	Escherichia coli	Escherichia coli UMEA 3662-1
1014	clique-group	2529293172	Escherichia coli	Escherichia coli 5905
1014	clique-group	2531839434	Escherichia coli	Escherichia coli MP021017.9
1014	clique-group	2541047685	Escherichia coli	Escherichia coli HVH 9 (4-6942539)
1014	clique-group	2534681657	Escherichia coli	Escherichia coli 2860650
1014	clique-group	2526164649	Shigella flexneri	Shigella flexneri 2850-71
1014	clique-group	2531839480	Escherichia coli	Escherichia coli P0299438.6
1014	clique-group	2529292873	Escherichia coli	Escherichia coli O157:H- H 2687
1014	clique-group	2541047845	Escherichia coli	Escherichia coli HVH 225 (4-1273116)
1014	clique-group	2548876868	Escherichia coli	Escherichia coli C166_11
1014	clique-group	2531839253	Escherichia coli	Escherichia coli KTE106
1014	clique-group	2531839102	Escherichia coli	Escherichia coli 96.0109
1014	clique-group	2519899780	Escherichia coli	Escherichia coli O104:H4 2009EL-2071
1014	clique-group	2541047804	Escherichia coli	Escherichia coli HVH 167 (4-6073565)
1014	clique-group	2548876940	Escherichia coli	Escherichia coli C347_93
1014	clique-group	2541047816	Escherichia coli	Escherichia coli HVH 194 (4-2356805)
1014	clique-group	2541047911	Escherichia coli	Escherichia coli UMEA 3159-1
1014	clique-group	2548876696	Escherichia coli	Escherichia coli O145:H28 4865/96
1014	clique-group	2537561509	Escherichia coli	Escherichia coli EC1864
1014	clique-group	2537561516	Escherichia coli	Escherichia coli O111:H8 CVM9574
1014	clique-group	2534682287	Escherichia coli	Escherichia coli BCE001_MS16
1014	clique-group	2531839370	Escherichia coli	Escherichia coli KTE124
1014	clique-group	646862325	Escherichia coli	Escherichia coli K12 DH1, ATCC 33849
1014	clique-group	2531839553	Escherichia coli	Escherichia coli H263
1014	clique-group	2534682255	Escherichia coli	Escherichia coli PA8
1014	clique-group	2534682091	Escherichia coli	Escherichia coli P0304777.4
1014	clique-group	2534681763	Escherichia coli	Escherichia coli 2729250
1014	clique-group	2506520037	Escherichia coli	Escherichia coli W
1014	clique-group	2512047041	Escherichia coli	Escherichia coli O7:K1 CE10
1014	clique-group	2534682294	Escherichia coli	Escherichia coli 95.0183
1014	clique-group	2534682234	Escherichia coli	Escherichia coli EC96038
1014	clique-group	2531839436	Escherichia coli	Escherichia coli MP021017.5
1014	clique-group	2541047716	Escherichia coli	Escherichia coli HVH 48 (4-2658593)
1014	clique-group	2537561965	Escherichia coli	Escherichia coli P0299438.2
1014	clique-group	2548876952	Escherichia coli	Escherichia coli C78_09C
1014	clique-group	651053020	Escherichia coli	Escherichia coli DH1 (ME8569)
1014	clique-group	2541047688	Escherichia coli	Escherichia coli HVH 16 (4-7649002)
1014	clique-group	640753023	Escherichia coli	Escherichia coli O1:K1:H7 (APEC)
1014	clique-group	2534681653	Escherichia coli	Escherichia coli PA24
1014	clique-group	2531839585	Escherichia coli	Escherichia coli p0305293.13
1014	clique-group	2541047681	Escherichia coli	Escherichia coli HVH 4 (4-7276109)
1014	clique-group	2529292921	Escherichia coli	Escherichia coli DEC1B
1014	clique-group	2541047696	Escherichia coli	Escherichia coli HVH 22 (4-2258986)
1014	clique-group	2537561686	Escherichia coli	Escherichia coli p0305293.4
1014	clique-group	2529293239	Shigella flexneri	Shigella flexneri CCH060
1014	clique-group	2534682222	Escherichia coli	Escherichia coli 541-15
1014	clique-group	2541047933	Escherichia coli	Escherichia coli UMEA 3298-1
1014	clique-group	2521172732	Escherichia coli	Escherichia coli DEC15E
1014	clique-group	2541047743	Escherichia coli	Escherichia coli HVH 95 (4-6074464)
1014	clique-group	2526164600	Escherichia coli	Escherichia coli DEC14A
1014	clique-group	2547132488	Escherichia coli	Escherichia coli P0304799.3
1014	clique-group	2531839661	Escherichia coli	Escherichia coli O153:H- 3.3884

1014	clique-group	2548876528	Escherichia coli	Escherichia coli O104:H4 H112180282
1014	clique-group	2541047843	Escherichia coli	Escherichia coli HVH 201 (4-4459431)
1014	clique-group	2534682229	Escherichia coli	Escherichia coli FDA506
1014	clique-group	645058835	Shigella sp.	Shigella sp. D9
1014	clique-group	2534682060	Escherichia coli	Escherichia coli W26
1014	clique-group	2541047774	Escherichia coli	Escherichia coli HVH 121 (4-6877826)
1014	clique-group	2547132216	Escherichia coli	Escherichia coli EC4191
1014	clique-group	2545824712	Escherichia coli	Escherichia coli P0299483.1
1014	clique-group	2537561973	Escherichia coli	Escherichia coli KTE133
1014	clique-group	2529293040	Escherichia coli	Escherichia coli DEC2A
1014	clique-group	2541047927	Escherichia coli	Escherichia coli UMEA 3244-1
1014	clique-group	2541047895	Escherichia coli	Escherichia coli UMEA 3152-1
1014	clique-group	2526164630	Escherichia coli	Escherichia coli DEC11C
1014	clique-group	2541047707	Escherichia coli	Escherichia coli HVH 35 (4-2962667)
1014	clique-group	648276655	Escherichia coli	Escherichia coli MS 175-1
1014	clique-group	2541047752	Escherichia coli	Escherichia coli HVH 110 (4-6978754)
1014	clique-group	2548876864	Escherichia coli	Escherichia coli C82_11
1014	clique-group	2541047726	Escherichia coli	Escherichia coli HVH 68 (4-0888028)
1014	clique-group	2541047797	Escherichia coli	Escherichia coli HVH 176 (4-3428664)
1014	clique-group	2534681627	Escherichia coli	Escherichia coli P0299917.5
1014	clique-group	2548876698	Escherichia coli	Escherichia coli C1214_90
1014	clique-group	2541047783	Escherichia coli	Escherichia coli HVH 145 (4-5672112)
1014	clique-group	2534681766	Escherichia coli	Escherichia coli 2730350
1014	clique-group	2534681979	Escherichia coli	Escherichia coli O104:H4 LB226692
1014	clique-group	2548876963	Escherichia coli	Escherichia coli C9_92
1014	clique-group	2537562189	Escherichia coli	Escherichia coli O76:H- 1.2264
1014	clique-group	2541047812	Escherichia coli	Escherichia coli HVH 198 (4-3206106)
1014	clique-group	2541047851	Escherichia coli	Escherichia coli KOEGE 30 (63a)
1014	clique-group	2537562091	Escherichia coli	Escherichia coli H489
1014	clique-group	2531839238	Escherichia coli	Escherichia coli 99.1762
1014	clique-group	2545824714	Escherichia coli	Escherichia coli BCE006_MS-23
1014	clique-group	2529292721	Escherichia coli	Escherichia coli 2866350
1014	clique-group	2529292977	Escherichia coli	Escherichia coli PA35
1014	clique-group	2541047836	Escherichia coli	Escherichia coli HVH 208 (4-3112292)
1014	clique-group	2541047749	Escherichia coli	Escherichia coli HVH 106 (4-6881831)
1014	clique-group	2541047858	Escherichia coli	Escherichia coli HVH 218 (4-4500903)
1014	clique-group	2529293070	Escherichia coli	Escherichia coli TW07945
1014	clique-group	2541047700	Escherichia coli	Escherichia coli HVH 27 (4-7449267)
1014	clique-group	2554235181	Escherichia coli	Escherichia coli MC6003
1014	clique-group	2537562015	Escherichia coli	Escherichia coli BCE007_MS-11
1014	clique-group	649989947	Escherichia coli	Escherichia coli 2362-75
1014	clique-group	2541047736	Escherichia coli	Escherichia coli HVH 82 (4-2209276)
1014	clique-group	2531839579	Escherichia coli	Escherichia coli p0305293.11
1014	clique-group	2547132280	Escherichia coli	Escherichia coli TW11681
1014	clique-group	2554235304	Escherichia sp.	Escherichia coli O127:H6 E2348/69 subUMD753
1014	clique-group	2531839328	Escherichia coli	Escherichia coli P0305260.9
1014	clique-group	648276671	Escherichia coli	Escherichia coli TA280
1014	clique-group	2526164666	Escherichia coli	Escherichia coli DEC10B
1014	clique-group	2529292974	Escherichia coli	Escherichia coli PA32
1014	clique-group	2534681698	Escherichia coli	Escherichia coli P0298942.2
1014	clique-group	2541047702	Escherichia coli	Escherichia coli HVH 29 (4-3418073)
1014	clique-group	2534681659	Escherichia coli	Escherichia coli 2853500
1014	clique-group	2541047945	Escherichia coli	Escherichia coli UMEA 3592-1
1014	clique-group	2529292923	Escherichia coli	Escherichia coli DEC1A
1014	clique-group	646862322	Escherichia coli	Escherichia coli O44:H18 042 (EAEC)
1014	clique-group	2526164602	Escherichia coli	Escherichia coli TW11039
1014	clique-group	2548876933	Escherichia coli	Escherichia coli C2139_99
1014	clique-group	2541047760	Escherichia coli	Escherichia coli HVH 117 (4-6857191)
1014	clique-group	2537561507	Escherichia coli	Escherichia coli EC1866
1014	clique-group	2541047709	Escherichia coli	Escherichia coli HVH 40 (4-1219782)
1014	clique-group	2526164651	Shigella flexneri	Shigella flexneri K-227
1014	clique-group	2548876703	Escherichia coli	Escherichia coli C157_11
1014	clique-group	644736364	Escherichia coli	Escherichia coli O45:K1 S88
1014	clique-group	2541047881	Escherichia coli	Escherichia coli UMEA 3151-1
1014	clique-group	648276663	Escherichia coli	Escherichia coli MS 45-1
1014	clique-group	2534682321	Escherichia coli	Escherichia coli NE1487
1014	clique-group	2541047883	Escherichia coli	Escherichia coli UMEA 3144-1
1014	clique-group	2537562119	Escherichia coli	Escherichia coli P0305260.12
1014	clique-group	641736221	Escherichia coli	Escherichia coli O157:H7 EC4113
1014	clique-group	2541047888	Escherichia coli	Escherichia coli UMEA 3121-1
1014	clique-group	2529292714	Shigella boydii	Shigella boydii 3594-74
1014	clique-group	2547132220	Escherichia coli	Escherichia coli EC4009
1014	clique-group	2548876948	Escherichia coli	Escherichia coli C725_88
1014	clique-group	2534682093	Escherichia coli	Escherichia coli P0304777.7
1014	clique-group	2529292999	Escherichia coli	Escherichia coli O111:B4 C48/93
1014	clique-group	2548876530	Escherichia coli	Escherichia coli O104:H4 H112180540
1014	clique-group	2537561945	Escherichia coli	Escherichia coli O101:Hnm B41
1014	clique-group	2534681937	Escherichia coli	Escherichia coli DEC4F
1014	clique-group	2541047943	Escherichia coli	Escherichia coli UMEA 3490-1
1014	clique-group	2547132279	Escherichia coli	Escherichia coli TW10828
1014	clique-group	648276643	Escherichia coli	Escherichia coli H299
1014	clique-group	637000109	Escherichia coli	Escherichia coli UT189 (UPEC)

1014	clique-group	2541047441	Escherichia coli	Escherichia coli B86
1014	clique-group	648276645	Escherichia coli	Escherichia coli H736
1014	clique-group	2541047866	Escherichia coli	Escherichia coli UMEA 3041-1
1014	clique-group	2537561562	Escherichia coli	Escherichia coli P0304777.2
1014	clique-group	2541047434	Escherichia coli	Escherichia coli B94
1014	clique-group	2534681997	Escherichia coli	Escherichia coli 8.0566
1014	clique-group	2537561858	Escherichia coli	Escherichia coli KTE113
1014	clique-group	2541047857	Escherichia coli	Escherichia coli HVH 217 (4-1022806)
1014	clique-group	2541047967	Escherichia coli	Escherichia coli UMEA 3707-1
1014	clique-group	2541047781	Escherichia coli	Escherichia coli HVH 143 (4-5674999)
1014	clique-group	2531839668	Escherichia coli	Escherichia coli O157:H16 3.2303
1014	clique-group	644736362	Escherichia coli	Escherichia coli BW2952
1014	clique-group	2531839100	Escherichia coli	Escherichia coli 96.0427
1014	clique-group	2541047814	Escherichia coli	Escherichia coli HVH 196 (4-4530470)
1014	clique-group	2534681628	Escherichia coli	Escherichia coli P0299917.6
1014	clique-group	2526164692	Escherichia coli	Escherichia coli 11-03943
1014	clique-group	2534682253	Escherichia coli	Escherichia coli PA5
1014	clique-group	2541047425	Escherichia coli	Escherichia coli B28-1
1014	clique-group	646862323	Escherichia coli	Escherichia coli BL21 (DE3)
1014	clique-group	2534682168	Escherichia coli	Escherichia coli P0305260.5
1014	clique-group	2529293152	Escherichia coli	Escherichia coli P0304816.9
1014	clique-group	2534681742	Escherichia coli	Escherichia coli MS 117-3
1014	clique-group	2531839147	Escherichia coli	Escherichia coli MS 79-10
1014	clique-group	2537561670	Escherichia coli	Escherichia coli Nissle 1917
1014	clique-group	2541047124	Escherichia coli	Escherichia coli T924_01
1014	clique-group	2526164609	Shigella dysenteriae	Shigella dysenteriae 225-75
1014	clique-group	2541047683	Escherichia coli	Escherichia coli HVH 6 (3-8296502)
1014	clique-group	2534682174	Escherichia coli	Escherichia coli P0304816.13
1014	clique-group	2541047906	Escherichia coli	Escherichia coli UMEA 3175-1
1014	clique-group	2523533516	Escherichia coli	Escherichia coli Q104:H4 Ec11-5603
1014	clique-group	2529292759	Escherichia coli	Escherichia coli KTE176
1014	clique-group	2531839034	Escherichia coli	Escherichia coli EC4402
1014	clique-group	2529293214	Escherichia coli	Escherichia coli FRK523
1014	clique-group	2537561693	Escherichia coli	Escherichia coli p0305293.7
1014	clique-group	2529293144	Escherichia coli	Escherichia coli P0304816.1
1014	clique-group	2541047822	Escherichia coli	Escherichia coli HVH 188 (4-2356988)
1014	clique-group	2537561688	Escherichia coli	Escherichia coli p0305293.2
1014	clique-group	2541047955	Escherichia coli	Escherichia coli UMEA 3694-1
1016	singleton	2509276047	Oscillatoria sp.	Oscillatoria sp. PCC 10802
1017	singleton	2518285533	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ24
1018	singleton	2264867114	unclassified	Clacimonetes bacterium SCGC AAA252-L13 (SAK_001_68)
1019	singleton	646311968	Xylanimonas cellulositytica	Xylanimonas cellulositytica XIL07, DSM 15894
1020	singleton	2528311048	unclassified	Firmicutes bacterium SCGC AC-310-O21
1021	singleton	2524023160	Desulfoviregula thermocuniculi	Desulfoviregula thermocuniculi DSM 16036
1022	singleton	2515154077	Asticcacaulis benevestitus	Asticcacaulis benevestitus DSM 16100
1023	singleton	649989929	Dietzia cinnamea	Dietzia cinnamea P4
1024	singleton	2547132412	Ruminococcus flavefaciens	Ruminococcus flavefaciens 17
1025	singleton	644736411	Thermococcus gammatolerans	Thermococcus gammatolerans EJ3
1026	singleton	649633002	Granulicella tundricola	Granulicella tundricola MP5ACTX9
1027	singleton	2500069000	Lactobacillus reuteri	Lactobacillus reuteri 100-23
1028	singleton	2506520046	Aquiflexum balticum	Aquiflexum balticum BA160, DSM 16537
1029	singleton	2522125104	Colwellia sp.	Colwellia sp. SCGC AC281-N11
1030	singleton	2531839654	Nitrospina gracilis	Nitrospina gracilis 3/211
1031	singleton	2521172590	unclassified	Herbaspirillum sp. GW103
1032	singleton	2519899804	Helicobacter pylori	Helicobacter pylori R038b
1033	singleton	2545824528	Pseudomonas resinovorans	Pseudomonas resinovorans NBRC 106553
1034	singleton	643886084	Corynebacterium pseudogenitalium	Corynebacterium pseudogenitalium ATCC 33035
1035	singleton	2503754001	unclassified	Candidatus Pelagibacter-like SAR11 HIMB4
1036	singleton	2541047088	Clostridium sp.	Clostridium papyrosolvens C7
1037	singleton	2521172636	Massilia niastensis	Massilia niastensis DSM 21313
1038	singleton	2521172627	Bacillus sp.	Bacillus sp. 123MFChir2
1039	singleton	650716078	Pusillimonas sp.	Pusillimonas sp. T7-7
1040	singleton	2531839037	Pseudomonas putida	Pseudomonas putida CSV86
1041	singleton	2515075008	Methanolobus tindarius	Methanolobus tindarius DSM 2278
1042	singleton	2510065003	Arsenophonus triatominarum	Arsenophonus triatominarum ArT
1043	singleton	2264867013	unclassified	zeta proteobacterium SCGC AB-133-G06
1044	singleton	2264867147	unclassified	Microgenomates bacterium SCGC AAA255-J07 (SAK_001_132)
1045	singleton	2521172643	Streptomyces canus	Streptomyces canus 299MFChir4.1
1046	singleton	644736337	Candidatus Sulcia muelleri	Candidatus Sulcia muelleri SMDSEM
1047	singleton	637000131	Helicobacter hepaticus	Helicobacter hepaticus 3B1, ATCC 51449
1048	singleton	2551306045	Vibrio sp.	Vibrio genomosp. F6 FF-238
1049	singleton	644736356	Dyadobacter fermentans	Dyadobacter fermentans NS114, DSM 18053
1050	singleton	2523231079	Janthinobacterium sp.	Janthinobacterium sp. HH01
1051	singleton	651324099	unclassified	Sphingomonas sp. S17
1052	singleton	651053061	Pseudonocardia dioxanivorans	Pseudonocardia dioxanivorans CB1190
1053	singleton	2511231026	unclassified	Herbaspirillum sp. YR522
1054	singleton	643886002	Corynebacterium lipophiloflavum	Corynebacterium lipophiloflavum DSM 44291
1055	singleton	2522125110	Cycloclasticus sp.	Cycloclasticus sp. SCGC AC281-P21
1056	singleton	2513237163	Cupriavidus sp.	Cupriavidus sp. UYPR2.512
1057	singleton	2506381023	Cyclobacterium marinum	Cyclobacterium marinum Raj, DSM 745
1058	singleton	642979338	Bacillus coahuilensis	Bacillus coahuilensis m4-4
1059	singleton	2537561840	Rhodanobacter fulvus	Rhodanobacter fulvus Jip2

1060	singleton	2551306477	Clostridium tunisiense	Clostridium tunisiense TJ
1061	singleton	2531839564	Streptococcus sanguinis	Streptococcus sanguinis SK160
1062	singleton	2264867205	unclassified	Atribacteria bacterium SCGC AB-164-L03 (SAK_001_213)
1063	singleton	645951825	Prevotella bergensis	Prevotella bergensis DSM 17361
1064	singleton	2519899541	Leuconostoc carnosum	Leuconostoc carnosum JB16
1065	singleton	650716085	Simkania negevensis	Simkania negevensis Z, ATCC VR-1471
1066	singleton	648276680	Ktedonobacter racemifer	Ktedonobacter racemifer SOSP-21, DSM 44963
1067	singleton	637000219	Pseudomonas entomophila	Pseudomonas entomophila L48
1068	singleton	2519899589	Oceaniovalibus guishaninsula	Oceaniovalibus guishaninsula JLT2003
1069	singleton	651324043	Hylemonella gracilis	Hylemonella gracilis Canale-Parola D4, ATCC 19624
1070	singleton	644736404	Saccharomonospora viridis	Saccharomonospora viridis P101, DSM 43017
1071	singleton	2521172692	Thioalkalivibrio nitratireducens	Thioalkalivibrio nitratireducens DSM 14787
1072	singleton	2531839487	Halosimplex carlsbadense	Halosimplex carlsbadense 2-9-1
1073	singleton	649989956	Kingella denitrificans	Kingella denitrificans ATCC 33394
1074	singleton	2506520040	Chloroflexus sp.	Chloroflexus sp. Y-396-1
1075	singleton	647000295	Prevotella timonensis	Prevotella timonensis CRIS SC-B1
1076	singleton	2551306156	Nocardia asiatica	Nocardia asiatica NBRC 100129
1077	singleton	641522635	Leptothrix cholodnii	Leptothrix cholodnii SP-6
1078	singleton	2513237112	Massilia alkalitolerans	Massilia alkalitolerans DSM 17462
1079	singleton	647000207	Aerococcus viridans	Aerococcus viridans ATCC 11563
1080	singleton	637000249	Saccharophagus degradans	Saccharophagus degradans 2-40
1081	singleton	2551306172	Nocardia takedensis	Nocardia takedensis NBRC 100417
1082	singleton	642555117	Candidatus Phytoplasma australiense	Candidatus Phytoplasma australiense
1083	singleton	649989977	Oscillochloris trichoides	Oscillochloris trichoides DG6
1084	singleton	2545824647	Enterococcus malodoratus	Enterococcus malodoratus ATCC 43197
1085	singleton	2534681767	Cronobacter condimenti	Cronobacter condimenti 1330
1086	singleton	2531839181	Streptomyces zinciresistens	Streptomyces zinciresistens K42
1087	singleton	2524023198	Corynebacterium halotolerans	Corynebacterium halotolerans YIM 70093, DSM 44683
1088	singleton	638154510	Methanothermobacter thermautotrophicus	Methanothermobacter thermautotrophicus Delta H
1089	singleton	643886009	Campylobacter rectus	Campylobacter rectus RM3267, CCUG 20446
1090	singleton	2523231068	Porphyrobacter cryptus	Porphyrobacter cryptus DSM 12079
1091	singleton	2264867191	unclassified	Aminicenantes bacterium SCGC AAA252-L10 (SAK_001_67)
1092	singleton	2545824515	Streptococcus dysgalactiae	Streptococcus dysgalactiae dysgalactiae NADC Z-8, ATCC 27957
1093	singleton	2517093011	Methylosinus sp.	Methylosinus sp. LW3
1094	singleton	640069318	Methanoculleus marisnigri	Methanoculleus marisnigri JR1, DSM 1498
1095	singleton	2547132300	Acinetobacter lwoffii	Acinetobacter lwoffii genomospecies 8 A.Lwoff 1, NCTC 5866
1096	singleton	650716098	Thermoproteus uzoniensis	Thermoproteus uzoniensis 768-20
1097	singleton	2523533549	Jeotgalicoccus marinus	Jeotgalicoccus marinus DSM 19772
1098	singleton	2523533532	Actinomadura cremae	Actinomadura cremae rifamycinii DSM 43936
1099	singleton	2518645602	Salinimonas chungwhensis	Salinimonas chungwhensis DSM 16280
1100	singleton	2524023083	unclassified	Planctomycetes bacterium SCGC AB-663-N19
1101	singleton	2264867009	unclassified	zeta proteobacterium SCGC AB-137-C09
1102	singleton	2515154026	Butyricimonas synergistica	Butyricimonas synergistica DSM 23225
1103	singleton	2264867180	unclassified	Aminicenantes bacterium SCGC AAA252-G05 (SAK_001_48)
1104	singleton	2551306146	Afipia birgiae	Afipia birgiae 34632
1105	singleton	6370000238	Rhodospseudomonas palustris	Rhodospseudomonas palustris BisB5
1106	singleton	643886188	Catonella morbi	Catonella morbi ATCC 51271
1107	singleton	2551306565	Pseudacidovorax intermedius	Pseudacidovorax intermedius NH-1
1108	singleton	644736393	Nakamurella multipartita	Nakamurella multipartita Y-104, DSM 44233
1109	singleton	2524023058	Oceanospirillum beijerinckii	Oceanospirillum beijerinckii DSM 7166
1110	singleton	2528768135	Variovorax sp.	Variovorax sp. JGI 0001020-M05 (contamination screened)
1111	singleton	2554235504	Natrialba taiwanensis	Natrialba taiwanensis DSM 12281
1112	singleton	2509601029	Thermaerobacter subterraneus	Thermaerobacter subterraneus C21, DSM 13965
1113	singleton	2503538020	Geitlerinema sp.	Geitlerinema sp. PCC 7407
1114	singleton	2521172617	Leisingera aquimarina	Leisingera aquimarina DSM 24565 (scaffold version)
1115	singleton	2503754019	Stanieria cyanosphaera	Stanieria cyanosphaera PCC 7437
1116	singleton	2531839261	Natrialba aegyptia	Natrialba aegyptia DSM 13077
1117	singleton	2516493023	Orenia marismortui	Orenia marismortui DSM 5156
1118	singleton	2505119029	Hyphomicrobium sp.	Hyphomicrobium sp. VS (Draft1)
1119	singleton	2519103148	Bacillus cereus	Bacillus cereus VD107
1120	singleton	2545824776	Streptomyces sp.	Streptomyces aurantiacus JA 4570
1121	singleton	2524023158	Desulfovibrio bastinii	Desulfovibrio bastinii DSM 16055
1122	singleton	648276737	Streptococcus mitis	Streptococcus mitis SK564
1123	singleton	643886017	Actinomyces coleocanis	Actinomyces coleocanis DSM 15436
1124	singleton	2526164742	Desulfobacterium anilini	Desulfobacterium anilini DSM 4660
1125	singleton	2548876810	Salinibacterium amurskyense	Salinibacterium amurskyense PAMC 21357
1126	singleton	640753006	Bacillus cereus	Bacillus cereus cytotoxis NVH 391-98
1127	singleton	649633024	Caldicellulosiruptor kronotskyensis	Caldicellulosiruptor kronotskyensis 2002
1128	singleton	2524614680	Gillisia sp.	Gillisia sp. JM1
1129	singleton	648028010	Brevundimonas subvibrioides	Brevundimonas subvibrioides ATCC 15264
1130	singleton	2545824765	Bacteriovorax sp.	Bacteriovorax sp. BAL6_X
1131	singleton	2524614852	Thermus islandicus	Thermus islandicus DSM 21543
1132	singleton	646564537	Helicobacter mustelae	Helicobacter mustelae ATCC 43772
1133	singleton	2551306368	Halorubrum sp.	Halorubrum sp. T3
1134	singleton	2506783068	Methanofollis liminatans	Methanofollis liminatans GKZPZ, DSM 4140
1135	singleton	2545824684	Anoxybacillus flavithermus	Anoxybacillus flavithermus AK1
1136	singleton	2511231151	Actinoplanes sp.	Actinoplanes sp. SE50/110
1137	singleton	650377970	Ruminococcus torques	Ruminococcus torques L2-14
1138	singleton	2515154053	Advenella kashmirensis	Advenella kashmirensis WT001
1139	singleton	2519103101	Leptospirillum ferriphilum	Leptospirillum ferriphilum ML-04
1140	singleton	2526164515	Prevotella baroniae	Prevotella baroniae DSM 16972
1141	singleton	2528768068	unclassified	Chitinophagaceae bacterium JGI 0001013-J17 (contamination screened)

1142	singleton	2519899623	Enterobacter sp.	Enterobacter sp. Ag1
1143	singleton	2524614821	Vibrio litoralis	Vibrio litoralis DSM 17657
1144	singleton	643886115	Listeria grayi	Listeria grayi DSM 20601
1145	singleton	2522572103	Caulobacter sp.	Caulobacter sp. URAH0033
1146	singleton	2540341243	Acidovorax sp.	Acidovorax sp. JHL-3
1147	singleton	2521172635	Loktanelia vestfoldensis	Loktanelia vestfoldensis DSM 16212
1148	singleton	646564549	Methanococcus voltae	Methanococcus voltae A3
1149	singleton	2524614596	Marinococcus halotolerans	Marinococcus halotolerans DSM 16375
1150	singleton	2502790011	Beggiatoa sp.	Beggiatoa sp. Orange Guaymas
1151	singleton	2522572182	Pseudonocardia asaccharolytica	Pseudonocardia asaccharolytica DSM 44247
1152	singleton	2540341242	Verrucomicrobium sp.	Verrucomicrobium sp. LP2A
1153	singleton	2523533553	Algoriphagus mannitolivorans	Algoriphagus mannitolivorans DSM 15301
1154	singleton	2534682265	Glaciecola punicea	Glaciecola punicea DSM 14233
1155	singleton	2524023214	Leucobacter chironomi	Leucobacter chironomi DSM 19883
1156	singleton	642555122	Chlorobium phaeobacteroides	Chlorobium phaeobacteroides BS1
1157	singleton	2547132155	Timonella senegalensis	Timonella senegalensis JC301
1158	singleton	2519899530	Desulfovibrio africanus	Desulfovibrio africanus PCS
1159	singleton	2554235476	Natrialba chahannaensis	Natrialba chahannaensis JCM 10990
1160	singleton	2528768040	Bradyrhizobium sp.	Bradyrhizobium sp. JGI 001005-E20 (contamination screened)
1161	singleton	651324037	Gordonia neofelifaecis	Gordonia neofelifaecis NRRL B-59395
1162	singleton	2551306161	Nocardia testacea	Nocardia testacea NBRC 100365
1163	singleton	2524614689	Butyrivibrio sp.	Butyrivibrio sp. XBB1001
1164	singleton	639633012	Buchnera aphidicola	Buchnera aphidicola Bp
1165	singleton	2551306480	Geobacillus caldodoxylosilyticus	Geobacillus caldodoxylosilyticus CIC9
1166	singleton	2547132165	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia S028
1167	singleton	2513237377	Hafnia alvei	Hafnia alvei ATCC 51873
1168	singleton	2531839705	Acidocella sp.	Acidocella sp. MX-AZ02
1169	singleton	2512875011	Halorubrum sp.	Halorubrum sp. J07HR59
1170	singleton	2519103098	Bdellovibrio bacteriovorus	Bdellovibrio bacteriovorus Tiberius
1171	singleton	2515154142	Streptomyces vitaminophilus	Streptomyces vitaminophilus DSM 41686
1172	singleton	646206250	Oxalobacter formigenes	Oxalobacter formigenes HOxBS
1173	singleton	2519103182	Streptococcus minor	Streptococcus minor DSM 17118
1174	singleton	2551306350	Pseudomonas sp.	Pseudomonas sp. S13.1.2
1175	singleton	2529292993	Anoxybacillus flavithermus	Anoxybacillus flavithermus TNO-09.006
1176	singleton	2551306097	Alicyclophilius sp.	Alicyclophilius sp. CRZ1
1177	singleton	2512564032	Saprosira grandis	Saprosira grandis Lewin
1178	singleton	2537561982	Streptococcus sanguinis	Streptococcus sanguinis SK1057
1179	singleton	637000158	Mesoplasma florum	Mesoplasma florum L1
1180	singleton	2524614511	Ruania albidiflava	Ruania albidiflava DSM 18029
1181	singleton	2537561589	Leptosira vanthielii	Leptosira vanthielii sv. Holland Waz Holland
1182	singleton	2519899569	Gordonia araii	Gordonia araii NBRC 100433
1183	singleton	641736147	Clostridium botulinum	Clostridium botulinum type C - Eklund
1184	singleton	645058792	Yersinia aldovae	Yersinia aldovae ATCC 35236
1185	singleton	2524614798	Brevundimonas aveniformis	Brevundimonas aveniformis DSM 17977
1186	singleton	2522572195	Conexibacter woesei	Conexibacter woesei Iso977N
1187	singleton	2524023178	unclassified	beta proteobacterium SCGC AAA028-K02
1188	singleton	2516493019	Cohnella panacarvi	Cohnella panacarvi Gsoil 349, DSM 18696
1189	singleton	646564519	Caulobacter segnis	Caulobacter segnis ATCC 21756
1190	singleton	2264867189	unclassified	Aminicenantes bacterium SCGC AAA252-K18 (SAK_001_63)
1191	singleton	2528768210	Arthrobacter sp.	Arthrobacter sp. 35W
1192	singleton	2515154151	Spirosoma spitsbergense	Spirosoma spitsbergense DSM 19989
1193	singleton	2508501011	Cyanobium gracile	Cyanobium gracile PCC 6307
1194	singleton	2517572240	Campylobacter ureolyticus	Campylobacter ureolyticus DSM 20703
1195	singleton	640963036	Pedobacter sp.	Pedobacter sp. BAL39
1196	singleton	2541047529	Streptococcus mitis	Streptococcus mitis 11/5
1197	singleton	646311944	Methanocaldococcus vulcanius	Methanocaldococcus vulcanius M7, DSM 12094
1198	singleton	2528768174	unclassified	Firmicutes bacterium SCGC AB-670-K04
1199	singleton	2537562065	Cellvibrio sp.	Cellvibrio sp. BR
1200	singleton	2509276056	Dactylococcopsis salina	Dactylococcopsis salina PCC 8305
1201	singleton	2264867215	unclassified	Euryarchaeota archaeon SCGC AAA252-115 (SAK_001_55)
1202	singleton	2551306228	Streptococcus suis	Streptococcus suis 92-1191
1203	singleton	646311917	Conexibacter woesei	Conexibacter woesei ID131577, DSM 14684
1204	singleton	2503707009	Cyanobacterium aponinum	Cyanobacterium aponinum PCC 10605
1205	singleton	2515154167	Spirosoma panaciterrae	Spirosoma panaciterrae DSM 21099
1206	singleton	2509276020	Echinicola vietnamensis	Echinicola vietnamensis KMM 6221, DSM 17526
1207	singleton	641522606	Beijerinckia indica	Beijerinckia indica indica ATCC 9039
1208	singleton	648276621	Atopobium vaginae	Atopobium vaginae PB189-T1-4
1209	singleton	2540341175	Ralstonia solanacearum	Ralstonia solanacearum CMR15
1210	singleton	2547132184	Bacillus sp.	Bacillus sp. ZYK
1211	singleton	2510065059	Mesorhizobium ciceri	Mesorhizobium ciceri WSM4083
1212	singleton	2524614884	Ornithinimicrobium pekingense	Ornithinimicrobium pekingense DSM 21552
1213	singleton	639633019	Candidatus Ruthia magnifica	Candidatus Ruthia magnifica Cm
1214	singleton	2522125102	Colwellia sp.	Colwellia sp. SCGC AC281-C15
1215	singleton	639857020	unclassified	Methylophilales sp. HTCC2181
1216	singleton	651324021	Centipeda periodontii	Centipeda periodontii DSM 2778
1217	singleton	2510065050	Marichromatium purpuratum	Marichromatium purpuratum 984
1218	singleton	2519103189	Gracilibacillus lacsalsi	Gracilibacillus lacsalsi DSM 19029
1219	singleton	2513237286	Lactobacillus parafarraginis	Lactobacillus parafarraginis F0439
1220	singleton	2523533576	Pedobacter glucosidilyticus	Pedobacter glucosidilyticus DSM 23534
1221	singleton	2518645608	Saccharibacillus kuertensis	Saccharibacillus kuertensis DSM 22868
1222	singleton	2515154191	Pasteurella pneumotropica	Pasteurella pneumotropica DSM 21403
1223	singleton	2523533560	Pseudomonas azotifigens	Pseudomonas azotifigens DSM 17556

1224	singleton	650633000	Victivallis vadensis	Victivallis vadensis ATCC BAA-548
1225	singleton	643886135	Sphingobacterium spiritivorum	Sphingobacterium spiritivorum ATCC 33300
1226	singleton	2521172662	Colwellia piezophila	Colwellia piezophila ATCC BAA-637
1227	singleton	2524023062	Desulfovibrio aminophilus	Desulfovibrio aminophilus DSM 12254
1228	singleton	2540341163	Streptomyces sp.	Streptomyces sp. PAMC26508
1229	singleton	2528311063	unclassified	Nitrospirae bacterium SCGC AC-310-E05
1230	singleton	2529292851	Providencia burhodogranariaea	Providencia burhodogranariaea DSM 19968
1231	singleton	2517572213	Alistipes onderdonkii	Alistipes onderdonkii DSM 19147
1232	singleton	650716047	Lactobacillus kefiranofaciens	Lactobacillus kefiranofaciens ZW3
1233	singleton	2551306357	Bartonella sp.	Bartonella sp. R4(2010)
1234	singleton	2516143111	Achromobacter piechaudii	Achromobacter piechaudii HLE
1235	singleton	2511231012	Pseudomonas sp.	Pseudomonas sp. GM33
1236	singleton	641522646	Pseudomonas putida	Pseudomonas putida W619
1237	singleton	2537561967	Streptococcus mitis	Streptococcus mitis SK616
1238	singleton	649633010	Bacillus cellulolyticus	Bacillus cellulolyticus N-4, DSM 2522
1239	singleton	2524023153	Halalkalibacillus halophilus	Halalkalibacillus halophilus DSM 18494
1240	singleton	2511231068	Haloarcula hispanica	Haloarcula hispanica CGMCC 1.2049
1241	singleton	2521172560	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia ATCC 19867
1242	singleton	651324083	Paraprevotella xylaniphila	Paraprevotella xylaniphila YIT 11841
1243	singleton	2519899590	Nitratireductor pacificus	Nitratireductor pacificus pht-3B
1244	singleton	648028027	Maribacter sp.	Maribacter sp. HTCC2170
1245	singleton	2513237157	Desulfosarcina sp.	Desulfosarcina sp. BuS5
1246	singleton	2509601015	Pseudomonas fluorescens	Pseudomonas fluorescens 1112 (1112 version 1)
1247	singleton	2540341115	Candidatus Methanomethylophilus Candidatus	Candidatus Methanomethylophilus alvus Mx1201
1248	singleton	649989991	Pseudomonas fluorescens	Pseudomonas fluorescens WH6
1249	singleton	650377947	Haemophilus parainfluenzae	Haemophilus parainfluenzae T3T1
1250	singleton	646564587	Tsukamurella paurometabola	Tsukamurella paurometabola 33, DSM 20162
1251	singleton	2519103187	Gilvimirinus chinensis	Gilvimirinus chinensis DSM 19667
1252	singleton	2541047092	Actinobaculum sp.	Actinobaculum sp. P1 oral taxon 183 F0552
1253	singleton	649633036	Desulfobulbus propionicus	Desulfobulbus propionicus 1pr3, DSM 2032
1254	singleton	650377985	Vulcanisaeta moutnovskia	Vulcanisaeta moutnovskia 768-28
1255	singleton	650716015	Candidatus Midichloria mitochondrii	Candidatus Midichloria mitochondrii IricVA
1256	singleton	2515154109	Porphyromonas somerae	Porphyromonas somerae DSM 23386
1257	singleton	2517434010	Riemerella columbina	Riemerella columbina DSM 16469
1258	singleton	2554235749	Leifsonia xyli	Leifsonia xyli cynodontis DSM 46306
1259	singleton	2537561904	Alloiococcus otitis	Alloiococcus otitis ATCC 51267
1260	singleton	647533123	Caldanaerobacter subterraneus	Caldanaerobacter subterraneus pacificus JM, DSM 12653
1261	singleton	2551306695	Dickeya zeae	Dickeya zeae DZ2Q
1262	singleton	640069323	Prochlorococcus marinus	Prochlorococcus marinus MIT 9303
1263	singleton	2554235506	Halococcus salifodinae	Halococcus salifodinae DSM 8989
1264	singleton	646564506	Arcobacter nitrofigilis	Arcobacter nitrofigilis DSM 7299
1265	singleton	640427138	Rhodobacter sphaeroides	Rhodobacter sphaeroides ATCC 17025
1266	singleton	642555172	Candidatus Endomicrobium sp.	Candidatus Endomicrobium sp. Rs-D17
1267	singleton	649990019	Succinatimonas hippei	Succinatimonas hippei YIT 12066
1268	singleton	646564525	Deferribacter desulfuricans	Deferribacter desulfuricans SSM1, DSM 14783
1269	singleton	2512047069	Rheinheimera sp.	Rheinheimera sp. A13L
1270	singleton	2531839095	Alishewanella aestuarii	Alishewanella aestuarii B11
1271	singleton	650716029	Corynebacterium resistens	Corynebacterium resistens DSM 45100
1272	singleton	638154512	Picrophilus torridus	Picrophilus torridus DSM 9790
1273	singleton	2265129005	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique HIMB058
1274	singleton	2512047078	Vibrio nigripulchritudo	Vibrio nigripulchritudo ATCC 27043
1275	singleton	2547132188	Leucobacter sp.	Leucobacter sp. UCD-THU
1276	singleton	2541046987	Treponema denticola	Treponema denticola SP32
1277	singleton	2503707007	Fluviicola taffensis	Fluviicola taffensis RW262, DSM 16823
1278	singleton	637000157	Maricaulis maris	Maricaulis maris MCS10
1279	singleton	640427107	Candidatus Vesicomysocius okutanii	Candidatus Vesicomysocius okutanii HA
1280	singleton	2523533574	unclassified	Euryarchaeota archaeon SCGC AAA282-L03
1281	singleton	2554235039	Lactobacillus pobuzihii	Lactobacillus pobuzihii E100301
1282	singleton	2545555877	Rhizobium selenitireducens	Rhizobium selenitireducens ATCC BAA-1503
1283	singleton	2528768066	unclassified	Chitinophagaceae bacterium JGI 0001003-L06 (contamination screened)
1284	singleton	2531839274	Selenomonas sp.	Selenomonas sp. FOBR6
1285	singleton	640069334	Streptococcus sanguinis	Streptococcus sanguinis SK36
1286	singleton	2522572185	unclassified	Gemmatimonadetes bacterium SCGC AAA240-J22
1287	singleton	2548876996	Fischerella muscicola	Fischerella muscicola PCC 7414
1288	singleton	2528768181	unclassified	Halothiobacillaceae bacterium SCGC AB-674-J03
1289	singleton	2554235138	Pseudomonas fuscovaginae	Pseudomonas fuscovaginae SE-1
1290	singleton	2508501124	Burkholderia diiworthii	Burkholderia diiworthii WSM3556
1291	singleton	2537561949	Prevotella sp.	Prevotella sp. oral taxon 473 F0040
1292	singleton	2264867258	unclassified	Cloacimonetes bacterium JGI 0000039-M09 (TAsludge_001_159)
1293	singleton	2264867060	unclassified	Aerophobetes bacterium JGI 0000014-A15 (Etoliko_001_223)
1294	singleton	2236661009	unclassified	actinobacterium SCGC AAA023-D18
1295	singleton	2509601044	Syntrophorhabdus aromaticivorans	Syntrophorhabdus aromaticivorans UI
1296	singleton	2507262001	Pseudomonas syringae	Pseudomonas syringae UB246 (UB246)
1297	singleton	2524614632	Flavobacterium suncheonense	Flavobacterium suncheonense DSM 17707
1298	singleton	643348578	Streptococcus uberis	Streptococcus uberis 0140J
1299	singleton	2534681903	unclassified	Magnetospirillum sp. SO-1
1300	singleton	641228492	Frankia sp.	Frankia sp. EAN1pec
1301	singleton	2527291724	Runella limosa	Runella limosa DSM 17973
1302	singleton	643348582	Thermomicrobium roseum	Thermomicrobium roseum DSM 5159
1303	singleton	2518645532	Candidatus Nitrosopumilus koreensis	Candidatus Nitrosopumilus koreensis AR1
1304	singleton	2551306225	Streptococcus suis	Streptococcus suis 10581
1305	singleton	641736113	Clostridium bartlettii	Clostridium bartlettii DSM 16795

1306	singleton	254555827	Bacillus mojavensis	Bacillus mojavensis RO-H-1
1307	singleton	638341139	Oceanicola batsensis	Oceanicola batsensis HTCC2597
1308	singleton	643692001	Acidobacterium capsulatum	Acidobacterium capsulatum ATCC 51196
1309	singleton	2524023166	Actinomyces neuui	Actinomyces neuui DSM 8576
1310	singleton	2529292951	Rhizobium leguminosarum	Rhizobium leguminosarum CCGE 510
1311	singleton	2515154030	Lewinella cohaerens	Lewinella cohaerens DSM 23179
1312	singleton	648276675	Finegoldia magna	Finegoldia magna ATCC 53516
1313	singleton	650716067	Nitrosomonas sp.	Nitrosomonas sp. IS79A3
1314	singleton	2523533607	Flavobacterium gelidilacus	Flavobacterium gelidilacus DSM 15343
1315	singleton	2534682203	Parabacteroides goldsteinii	Parabacteroides goldsteinii CL02T12C30
1316	singleton	2524614805	Serinicoccus marinus	Serinicoccus marinus DSM 15273
1317	singleton	640069321	Prochlorococcus marinus	Prochlorococcus marinus AS9601
1318	singleton	2529293028	Helicobacter pylori	Helicobacter pylori NQ4216
1319	singleton	2513237087	Azorhizobium doebereineriae	Azorhizobium doebereineriae UFLA1-100
1320	singleton	2501915963	Desulfonispota thiosulfatigenes	Desulfonispota thiosulfatigenes GKNTAUT , DSM 11270
1321	singleton	2554235131	Pseudomonas fluorescens	Pseudomonas fluorescens LMG 5329
1322	singleton	648028050	Parvularcula bermudensis	Parvularcula bermudensis HTCC2503
1323	singleton	2551306673	Erwinia toletana	Erwinia toletana DAPP-PG 735
1324	singleton	637000001	Candidatus Koribacter versatilis	Candidatus Koribacter versatilis Ellin345
1325	singleton	2511231025	Pantoea sp.	Pantoea sp. YR343
1326	singleton	2547132098	Acinetobacter lwoffii	Acinetobacter lwoffii WJ10621
1327	singleton	651324056	unclassified	Lachnospiraceae sp. Oral Taxon 107 F0167
1328	singleton	2534682015	Actinomyces neuui	Actinomyces neuui BVS029A5
1329	singleton	2531839335	Lactococcus garvieae	Lactococcus garvieae DCC43
1330	singleton	2524023201	Wolbachia sp.	Wolbachia sp. wOo
1331	singleton	2521172649	Rheinheimera perlucida	Rheinheimera perlucida DSM 18276
1332	singleton	649990027	Veillonella sp.	Veillonella sp. oral taxon 158 F0412
1333	singleton	2547132138	Bacillus timonensis	Bacillus timonensis MM10403188
1334	singleton	2228664026	unclassified	alpha proteobacterium SCGC AAA536-K22
1335	singleton	2554235176	unclassified	Sphingobium sp. YL23
1336	singleton	2547132145	Pseudomonas sp.	Pseudomonas sp. PAMC 25886
1337	singleton	650716028	Collimonas fungivorans	Collimonas fungivorans Ter331
1338	singleton	2510461069	Rhizobium sp.	Rhizobium sp. PDO1-076
1339	singleton	638341141	Bermanella marisrubri	Bermanella marisrubri RED65
1340	singleton	2524023205	Bradyrhizobium sp.	Bradyrhizobium sp. Cp5.3
1341	singleton	2264867245	unclassified	Marinimicrobia bacterium SCGC AAA160-B08
1342	singleton	2264867133	unclassified	Hydrogenedentes bacterium JGI 000059-N10 (TABiofilm_001_172)
1343	singleton	647533251	unclassified	Marine gamma proteobacterium sp. HTCC2148
1344	singleton	2508501040	Burkholderia sp.	Burkholderia sp. Ch1-1
1345	singleton	2545824762	Exiguobacterium sp.	Exiguobacterium sp. RW2
1346	singleton	2537561927	Leptospira yanagawae	Leptospira yanagawae sv. Saopaulo Sao Paulo
1347	singleton	2551306113	Pseudochrobactrum sp.	Pseudochrobactrum sp. AO18b
1348	singleton	2524614763	Microbacterium gubbeenense	Microbacterium gubbeenense DSM 15944
1349	singleton	637000161	Methanococcoides burtonii	Methanococcoides burtonii DSM 6242
1350	singleton	2508501052	Mycobacterium tusciae	Mycobacterium tusciae JS617
1351	singleton	2524023212	Cupriavidus sp.	Cupriavidus sp. AMP6
1352	singleton	2509276002	unclassified	Porphyra umbilicalis P.um.1-endophyte07873 (Porphyra_umbilicalis_P.um.1-endophyte07873)
1353	singleton	2528768058	Caulobacter sp.	Caulobacter sp. JGI 0001002-P11 (contamination screened)
1354	singleton	2517093030	Melioribacter roseus	Melioribacter roseus P3M
1355	singleton	637000312	Synechococcus sp.	Synechococcus sp. JA-2-3B'a(2-13)
1356	singleton	647000286	Oribacterium sp.	Oribacterium sp. oral taxon 078 F0262
1357	singleton	2554235031	Nocardioopsis potens	Nocardioopsis potens DSM 45234
1358	singleton	2513237353	Citricella sp.	Citricella sp. 357
1359	singleton	2551306140	Aquimarina agarilytica	Aquimarina agarilytica ZC1
1360	singleton	2554235378	Streptomyces davawensis	Streptomyces davawensis JCM 4913
1361	singleton	2517487005	Pseudomonas psychrophila	Pseudomonas psychrophila HA-4
1362	singleton	645058872	Thermus aquaticus	Thermus aquaticus Y51MC23
1363	singleton	2503982037	Granulicella mallensis	Granulicella mallensis MP5ACTX8
1364	singleton	2523533504	unclassified	Firmicutes bacterium JGI 0000119-H23
1365	singleton	2528768037	Bradyrhizobium sp.	Bradyrhizobium sp. JGI 0001002-A22 (contamination screened)
1366	singleton	2513237384	Eubacterium infirmum	Eubacterium infirmum F0142
1367	singleton	2508501001	Desulfosporosinus youngiae	Desulfosporosinus youngiae JW/YJL-B18, DSM 17734
1368	singleton	640963014	Bacteroides capillosus	Pseudoflavonifractor capillosus ATCC 29799
1369	singleton	649633094	Ruminococcus albus	Ruminococcus albus 7
1370	singleton	2519103180	Curvibacter lanceolatus	Curvibacter lanceolatus ATCC 14669
1371	singleton	2523533530	Terrimonas ferruginea	Terrimonas ferruginea DSM 30193
1372	singleton	2506783047	Halobacterium sp.	Halobacterium sp. DL1
1373	singleton	2521172554	Roseobacter sp.	Roseobacter sp. R2A57
1374	singleton	2526164641	Helicobacter pylori	Helicobacter pylori Hp A-9
1375	singleton	2512875007	Halonotius sp.	Halonotius sp. J07HN4 (version 2)
1376	singleton	2551306479	Dyella japonica	Dyella japonica A8
1377	singleton	2517572151	Paenibacillus terrigena	Paenibacillus terrigena DSM 21567
1378	singleton	2546825534	unclassified	Rhodospirillales bacterium URHD0088
1379	singleton	2506783034	Halobaculum sp.	Halobaculum sp. J07HB67 (version 2)
1380	singleton	643348525	Methanosphaerula palustris	Methanosphaerula palustris E1-9c, DSM 19958
1381	singleton	2521172691	Alcanivorax dieselolei	Alcanivorax dieselolei B5
1382	singleton	2523533582	Oceanicaulis alexandrii	Oceanicaulis alexandrii DSM 11625
1383	singleton	2519899671	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALM2T
1384	singleton	642979336	Alicyclobacillus acidocaldarius	Alicyclobacillus acidocaldarius LAA1
1385	singleton	637000182	Mycoplasma penetrans	Mycoplasma penetrans HF-2
1386	singleton	2510461047	Octadecabacter antarcticus	Octadecabacter antarcticus 307
1387	singleton	2524614553	Bacteroides graminisolvens	Bacteroides graminisolvens DSM 19988

1388	singleton	2537561866	Halogramnum salarium	Halogramnum salarium B-1
1389	singleton	2551306421	Dyella ginsengisoli	Dyella ginsengisoli LA-4
1390	singleton	651324112	unclassified	gamma proteobacterium IMCC1989
1391	singleton	2547132111	Streptomyces sp.	Streptomyces sp. TOR3209
1392	singleton	2527291516	unclassified	Cloacimonetes bacterium SCGC AAA252-D03 (Combined_Assembly_KSB1_2_KSB1)
1393	singleton	2541047095	Atopobium sp.	Atopobium sp. oral Taxon 810 F0209
1394	singleton	2524023233	unclassified	Acidobacteria bacterium SCGC AAA001-I23
1395	singleton	2551306492	Staphylococcus xylosus	Staphylococcus xylosus NJ
1396	singleton	2501533201	Fremyella diplosiphon	Fremyella diplosiphon UTEX 481
1397	singleton	642979367	Mitsuokella multacida	Mitsuokella multacida DSM 20544
1398	singleton	640753001	Actinobacillus succinogenes	Actinobacillus succinogenes 130Z
1399	singleton	2503982036	Calothrix sp.	Calothrix sp. PCC 6303
1400	singleton	2264867167	unclassified	Aminicenantes bacterium SCGC AAA255-F06 (SAK_001_127)
1401	singleton	2522125051	Delftia sp.	Delftia sp. JGI 0001021-L05
1402	singleton	2510065032	Meiothermus chliarophilus	Meiothermus chliarophilus ALT-8, DSM 9957
1403	singleton	2506783061	Desulfosporosinus acidiphilus	Desulfosporosinus acidiphilus SJ4, DSM 22704
1404	singleton	2524614727	Helcococcus sueciensis	Helcococcus sueciensis DSM 17243
1405	singleton	644736373	Halorhabdus utahensis	Halorhabdus utahensis AX-2, DSM 12940
1406	singleton	2519103190	Caldimonas manganoxidans	Caldimonas manganoxidans ATCC BAA-369
1407	singleton	2523533618	Thermodesulfobacterium thermophilum	Thermodesulfobacterium thermophilum DSM 1276
1408	singleton	2505679006	Treponema caldaria	Treponema caldaria H1, DSM 7334
1409	singleton	2505119016	Pseudoalteromonas luteoviolacea	Pseudoalteromonas luteoviolacea 2ta16 (Draft assembly 1)
1410	singleton	2506520011	Spirulina subsalsa	Spirulina subsalsa PCC 9445
1411	singleton	2508501048	Thiorhodovibrio sp.	Thiorhodovibrio sp. 970
1412	singleton	2504643006	Marinithermus hydrothermalis	Marinithermus hydrothermalis T1, DSM 14884
1413	singleton	2524614678	Bifidobacterium thermacidophilum	Bifidobacterium thermacidophilum DSM 15837
1414	singleton	2513237293	unclassified	Gammaproteobacteria sp. OM60 HIMB55
1415	singleton	2522572202	Weissella halotolerans	Weissella halotolerans DSM 20190
1416	singleton	2512047034	Polymorphum gilvum	Polymorphum gilvum SLO03B-26A1
1417	singleton	2505679009	Thioalkalimicrobium cyclicum	Thioalkalimicrobium cyclicum ALM1
1418	singleton	2508501069	Thermobacillus composti	Thermobacillus composti KWC4, DSM 18247
1419	singleton	648028012	Butyrivibrio proteoclasticum	Butyrivibrio proteoclasticum B316
1420	singleton	2519899572	Bacillus alcalophilus	Bacillus alcalophilus ATCC 27647
1421	singleton	2264867162	unclassified	Candidatus Omnitrophus fodinae SCGC AAA011-A17 (Dusel_001_263)
1422	singleton	2547132399	Citricoccus sp.	Citricoccus sp. CH26A
1423	singleton	2519103131	Mycoplasma agalactiae	Mycoplasma agalactiae 14628
1424	singleton	2541047022	Bdellovibrio exovorus	Bdellovibrio exovorus JSS
1425	singleton	2528768159	unclassified	Alteromonadaceae bacterium Bs31
1426	singleton	2236347002	unclassified	Verrucomicrobia bacterium SCGC AAA164-E04
1427	singleton	640427148	Synechococcus sp.	Synechococcus sp. RCC 307
1428	singleton	650716052	Methanobacterium sp.	Methanobacterium sp. AL-21
1429	singleton	637000191	Neorickettsia sennetsu	Neorickettsia sennetsu Miyayama
1430	singleton	2554235512	Lactobacillus sp.	Lactobacillus fermentum MTCC 8711
1431	singleton	638341107	Janibacter sp.	Janibacter sp. HTCC2649
1432	singleton	2511231054	Pelagibacterium halotolerans	Pelagibacterium halotolerans B2
1433	singleton	2506783044	Brenneria salicis	Brenneria salicis Dye EX2, ATCC 15712
1434	singleton	2545555844	Maritimibacter sp.	Maritimibacter sp. HL-12
1435	singleton	2524614734	Gramella echinicola	Gramella echinicola DSM 19838
1436	singleton	2518645611	Halomonas lutea	Halomonas lutea DSM 23508
1437	singleton	2506520035	Enterobacter cloacae	Enterobacter cloacae EcWSU1
1438	singleton	649990008	Streptococcus infantis	Streptococcus infantis SK1302
1439	singleton	2522572054	Nocardioides sp.	Nocardioides sp. JGI 0001009-J09
1440	singleton	2519899678	Algicola sagamiensis	Algicola sagamiensis DSM 14643
1441	singleton	2512047072	Streptococcus criceti	Streptococcus criceti HS-6
1442	singleton	2554235424	Candidatus Methanomassiliococcus intestinalis	Candidatus Methanomassiliococcus intestinalis Isoire-Mx1
1443	singleton	2541046937	Desulfocurvus vexinensis	Desulfocurvus vexinensis DSM 17965
1444	singleton	2531839231	Alcanivorax hongdengensis	Alcanivorax hongdengensis A-11-3
1445	singleton	2517093042	Mastigocladopsis repens	Mastigocladopsis repens PCC 10914
1446	singleton	2511231169	Pediococcus clausenii	Pediococcus clausenii P06, ATCC BAA-344
1447	singleton	2548876841	Halomonas sp.	Halomonas sp. KM-1
1448	singleton	2531839571	Rhodopirellula europaea	Rhodopirellula europaea SH398
1449	singleton	2528768062	Caulobacter sp.	Caulobacter sp. JGI 0001036-O18 (contamination screened)
1450	singleton	2519899619	Nitratireductor indicus	Nitratireductor indicus C115
1451	singleton	2524614562	Halomonas anticariensis	Halomonas anticariensis DSM 16096
1452	singleton	2551306447	Streptococcus suis	Streptococcus suis 14A
1453	singleton	2551306159	Nocardia brevicatena	Nocardia brevicatena NBRC 12119
1454	singleton	2528768105	Rhizobium sp.	Rhizobium sp. JGI 0001005-L20 (contamination screened)
1455	singleton	651324005	Actinomyces sp.	Actinomyces sp. oral taxon 170 F0386
1456	singleton	643348505	Agrobacterium vitis	Agrobacterium vitis S4
1457	singleton	2264867182	unclassified	Aminicenantes bacterium SCGC AAA252-G21 (SAK_001_52)
1458	singleton	2554235477	Natronococcus amylolyticus	Natronococcus amylolyticus DSM 10524
1459	singleton	643886070	Shuttleworthia satelles	Shuttleworthia satelles DSM 14600
1460	singleton	2528768121	unclassified	Sphingomonas sp. JGI 0001002-D21 (contamination screened)
1461	singleton	2513237177	Fervidicoccus fontis	Fervidicoccus fontis Kam940
1462	singleton	640612204	unclassified	Flavobacteria bacterium BAL38
1463	singleton	2513237303	Lactobacillus versmoldensis	Lactobacillus versmoldensis KCTC 3814
1464	singleton	2548877016	Brevibacterium massiliense	Brevibacterium massiliense 5401308
1465	singleton	2534681982	Streptococcus mitis	Streptococcus mitis SK569
1466	singleton	2554235352	Amycolatopsis orientalis	Amycolatopsis orientalis HCCB10007
1467	singleton	645951810	Enhydrobacter aerosaccus	Enhydrobacter aerosaccus SK60
1468	singleton	2516143004	Desulfonatronum lacustre	Desulfonatronum lacustre Z-7951, DSM 10312
1469	singleton	642979360	Eubacterium bifforme	Eubacterium bifforme DSM 3989

1470	singleton	2547132105	Kocuria rhizophila	Kocuria rhizophila P7-4
1471	singleton	646564568	Shewanella violacea	Shewanella violacea DSS12
1472	singleton	2528768232	unclassified	archaeon SCGC AC-708-N22
1473	singleton	2554235231	Pseudomonas sp.	Pseudomonas putida MTCC 5279
1474	singleton	2524614657	Methylohalobius crimeensis	Methylohalobius crimeensis 10Ki
1475	singleton	2519899692	Amphritea japonica	Amphritea japonica ATCC BAA-1530
1476	singleton	2528768096	unclassified	Rhizobiales bacterium JGI 001012-008 (contamination screened)
1477	singleton	2545824649	Enterococcus moraviensis	Enterococcus moraviensis ATCC BAA-383
1478	singleton	637000326	Sulfurimonas denitrificans	Sulfurimonas denitrificans DSM 1251
1479	singleton	637000317	Syntrophus aciditrophicus	Syntrophus aciditrophicus SB
1480	singleton	2524023139	unclassified	Actinobacteria bacterium SCGC AAA007-J07
1481	singleton	2511231008	Pseudomonas sp.	Pseudomonas sp. GM21
1482	singleton	2513237337	Marinobacter manganoxydans	Marinobacter manganoxydans Mn17-9
1483	singleton	2522572167	Mycobacterium xenopi	Mycobacterium xenopi RIVM700367
1484	singleton	2529292879	Streptococcus oralis	Streptococcus oralis SK255
1485	singleton	641380442	Nisaea sp.	Nisaea sp. BAL199
1486	singleton	2519899518	Hirschia maritima	Hirschia maritima DSM 19733
1487	singleton	2264867076	unclassified	Feravidibacteria bacterium JGI 0000001-G10 (GBS-A_001_117)
1488	singleton	2541047554	Bacillus nealsonii	Bacillus nealsonii AAU1_buffalo
1489	singleton	2540341086	Leptospirillum ferrooxidans	Leptospirillum ferrooxidans C2-3
1490	singleton	2540341106	Modestobacter multiseptatus	Modestobacter multiseptatus BC501
1491	singleton	2509276036	Thiorhodospira sibirica	Thiorhodospira sibirica A12, ATCC 700588
1492	singleton	2554235482	Haloarcula amylyolytica	Haloarcula amylyolytica JCM 13557
1493	singleton	2526164518	Spirochaeta cellobiosiphila	Spirochaeta cellobiosiphila DSM 17781
1494	singleton	2547132200	Wolbachia sp.	Wolbachia sp. (Diaphorina citri)
1495	singleton	2551306055	Vibrio kanaloae	Vibrio kanaloae 5S-149
1496	singleton	2502422321	Hymenobacter roseosalivarius	Hymenobacter roseosalivarius AA-718, DSM 11622
1497	singleton	2523533543	Aliagarivorans marinus	Aliagarivorans marinus DSM 23064
1498	singleton	2540341221	Mycoplasma imitans	Mycoplasma imitans ATCC 51306
1499	singleton	2551306170	Nocardia abscessus	Nocardia abscessus NBRC 100374
1500	singleton	649633022	Caldicellulosiruptor hydrothermalis	Caldicellulosiruptor hydrothermalis 108
1501	singleton	2524023069	unclassified	Planctomycetes bacterium SCGC AAA240-F15
1502	singleton	649633041	Enterobacter cloacae	Enterobacter cloacae SCF1
1503	singleton	2509601026	Nodosilinea nodulosa	Nodosilinea nodulosa PCC 7104
1504	singleton	2528768195	unclassified	Nitrospirae bacterium SCGC AC-310-B10
1505	singleton	2505679067	Rhodococcus sp.	Rhodococcus sp. J21
1506	singleton	2519899661	Epsilonproteobacteria unclassified	epsilon proteobacterium SCGC AB-602-P20
1507	singleton	2548876523	Brachybacterium paraconglomeratum	Brachybacterium paraconglomeratum LC44
1508	singleton	2541047516	Firmicutes sp.	Firmicutes bacterium M10-2
1509	singleton	2546825536	Atopobacter phocae	Atopobacter phocae ATCC BAA-285
1510	singleton	643886203	Eubacterium hallii	Eubacterium hallii DSM 3353
1511	singleton	651285001	Brevundimonas diminuta	Brevundimonas diminuta ATCC 11568
1512	singleton	651324086	unclassified	Plautia crossota stali symbiont
1513	singleton	645058720	Campylobacter showae	Campylobacter showae RM3277
1514	singleton	2509601042	Jiangella gansuensis	Jiangella gansuensis YIM 002, DSM 44835
1515	singleton	2545824645	unclassified	Sphingopyxis sp. MC1
1516	singleton	641380439	unclassified	Flavobacteriales sp. ALC-1
1517	singleton	651285010	Streptococcus sp.	Streptococcus sp. M334
1518	singleton	637000210	Prochlorococcus marinus	Prochlorococcus marinus MIT 9312
1519	singleton	2515154071	Leptotrichia shahii	Leptotrichia shahii DSM 19757
1520	singleton	641736169	Clostridium spiroforme	Clostridium spiroforme DSM 1552
1521	singleton	646564548	Methanocaldococcus sp.	Methanocaldococcus sp. FS406-22
1522	singleton	650377967	Ruminococcus obeum	Ruminococcus obeum A2-162
1523	singleton	2545824767	Bacteriovorax sp.	Bacteriovorax sp. DB6_IX
1524	singleton	2516493025	Paenibacillus sp.	Paenibacillus sp. HW567
1525	singleton	644736395	Neorickettsia risticii	Neorickettsia risticii Illinois
1526	singleton	643348521	Buchnera aphidicola	Buchnera aphidicola Cc
1527	singleton	2522125070	Woodsholea maritima	Woodsholea maritima DSM 17123
1528	singleton	638341025	Burkholderia dolosa	Burkholderia dolosa AUO158
1529	singleton	2516653049	Sporichthya polymorpha	Sporichthya polymorpha DSM 43042
1530	singleton	2551306364	Paenisporosarcina quisquiliarum	Paenisporosarcina quisquiliarum TG20
1531	singleton	2503044003	unclassified	Desulfurococcales archaeon
1532	singleton	2516143025	Sediminibacterium sp.	Sediminibacterium sp. OR53
1533	singleton	642555104	Akkermansia muciniphila	Akkermansia muciniphila ATCC BAA-835
1534	singleton	2545824674	Enterococcus villorum	Enterococcus villorum ATCC 700913
1535	singleton	2511231021	Pseudomonas sp.	Pseudomonas sp. GM78
1536	singleton	2554235283	Bacillus safensis	Bacillus safensis VK
1537	singleton	2522125000	Pedobacter unclassified	Pedobacter_Hanford_SCG E13 (Hanford SCG E13)
1538	singleton	2523533614	Ferrimonas senticii	Ferrimonas senticii DSM 18821
1539	singleton	2515154018	Corynebacterium lubricantis	Corynebacterium lubricantis DSM 45231
1540	singleton	2515154175	Niabella aurantiaca	Niabella aurantiaca DSM 17617
1541	singleton	2503754017	Gloeocapsa sp.	Gloeocapsa sp. PCC 7428
1542	singleton	637000051	Burkholderia cepacia	Burkholderia cepacia 383
1543	singleton	2547132150	Peptoniphilus grossensis	Peptoniphilus grossensis ph5
1544	singleton	642555119	Cellvibrio japonicus	Cellvibrio japonicus Ueda107
1545	singleton	646311907	unclassified	Azospirillum sp. B510
1546	singleton	2523533534	Pseudomonas cremoricolorata	Pseudomonas cremoricolorata DSM 17059
1547	singleton	2514885035	Ensifer fredii	Ensifer fredii USDA 257
1548	singleton	2551306366	Burkholderia pyrrocinia	Burkholderia pyrrocinia CH-67
1549	singleton	2523533540	Flexibacter roseolus	Flexibacter roseolus DSM 9546
1550	singleton	641228502	Renibacterium salmoninarum	Renibacterium salmoninarum ATCC 33209
1551	singleton	649633076	Nitratifactor salsuginis	Nitratifactor salsuginis E9137-1, DSM 16511

1552	singleton	2524614605	unclassified	zeta proteobacterium SCGC AC-673-M07
1553	singleton	646206268	Acinetobacter johnsonii	Acinetobacter johnsonii SH046
1554	singleton	2518285609	Rhizobium sp.	Rhizobium sp. JGI 001014-006
1555	singleton	2541047556	Gordonia sp.	Gordonia sp. NB4-1Y
1556	singleton	649990022	Synechococcus sp.	Synechococcus sp. CB0101
1557	singleton	2513237292	Pseudomonas sp.	Pseudomonas sp. S9
1558	singleton	2512047037	Pseudoxanthomonas spadix	Pseudoxanthomonas spadix BD-a59
1559	singleton	2264867169	unclassified	Aminicenantes bacterium SCGC AAA255-K14 (SAK_001_134)
1560	singleton	2528768234	unclassified	Chloroflexi bacterium SCGC AB-790-B16
1561	singleton	2521172629	Nocardia sp.	Nocardia sp. 348MFTsu.5.1
1562	singleton	2264867116	unclassified	Cloacimonetes bacterium SCGC AAA252-N05 (SAK_001_74)
1563	singleton	2546825529	Shewanella sp.	Shewanella sp. 38A_GOM-205m
1564	singleton	645058789	Yersinia rohdei	Yersinia rohdei ATCC 43380
1565	singleton	2524614668	Methanocorpusculum bavaricum	Methanocorpusculum bavaricum DSM 4179
1566	singleton	2524614671	Pseudomonas resinovorans	Pseudomonas resinovorans DSM 21078
1567	singleton	649989904	Actinomyces sp.	Actinomyces sp. oral taxon 180 F0310
1568	singleton	648276710	Peptoniphilus duerdenii	Peptoniphilus duerdenii ATCC BAA-1640
1569	singleton	2551306066	Flavobacterium sp.	Flavobacterium sp. ACAM 123
1570	singleton	2527291532	unclassified	Firmicutes bacterium SCGC AC-310-M18
1571	singleton	2515154144	Shimazuella kribbensis	Shimazuella kribbensis DSM 45090
1572	singleton	2513237341	Dolosigranulum pigrum	Dolosigranulum pigrum ATCC 51524
1573	singleton	2506520044	Natronococcus occultus	Natronococcus occultus SP4, DSM 3396
1574	singleton	2236661000	unclassified	alpha proteobacterium SCGC AAA023-L09
1575	singleton	2518645527	Shewanella amazonensis	Shewanella amazonensis SB2B
1576	singleton	644736369	Flavobacterium johnsoniae	Flavobacterium johnsoniae UW101, ATCC 17061
1577	singleton	2513237260	unclassified	Lachnospiraceae bacterium bacterium oral taxon 082 F0431
1578	singleton	2523231004	unclassified	Gammaproteobacteria bacterium SCGC AAA003-E02
1579	singleton	2519899790	Bartonella sp.	Bartonella sp. DB5-6
1580	singleton	2531839562	Streptococcus sanguinis	Streptococcus sanguinis SK330
1581	singleton	2519899587	Salimicrobium sp.	Salimicrobium sp. MJ3
1582	singleton	2523533634	Halobacillus kuroshimensis	Halobacillus kuroshimensis DSM 18393
1583	singleton	2522572050	unclassified	delta proteobacterium JGI 0000059-K16
1584	singleton	645058850	Staphylococcus epidermidis	Staphylococcus epidermidis M23864:W1
1585	singleton	649989951	Faecalibacterium prausnitzii	Faecalibacterium cf. prausnitzii KLE1255
1586	singleton	2523533551	Propionibacterium jensenii	Propionibacterium jensenii DSM 20535
1587	singleton	637000075	Chromohalobacter salexigens	Chromohalobacter salexigens 1H11, DSM 3043
1588	singleton	2551306475	Collinsella sp.	Collinsella sp. GD3
1589	singleton	2511231028	Bradyrhizobium sp.	Bradyrhizobium sp. YR681
1590	singleton	2528311096	unclassified	Nitrospirae bacterium SCGC AC-310-P18
1591	singleton	2540341035	Methylobacterium sp.	Methylobacterium sp. GXF4
1592	singleton	2521172694	Hyphomicrobium zavarzinii	Hyphomicrobium zavarzinii ATCC 27496
1593	singleton	639633021	Clostridium novyi	Clostridium novyi NT
1594	singleton	641522637	Lysinibacillus sphaericus	Lysinibacillus sphaericus C3-41
1595	singleton	645058790	Yersinia kristensenii	Yersinia kristensenii ATCC 33638
1596	singleton	651324077	unclassified	Nocardiodiaceae bacterium Broad-1
1597	singleton	2515154081	Meiothermus timidus	Meiothermus timidus DSM 17022
1598	singleton	2513237122	Thermocrispum agreste	Thermocrispum agreste DSM 44070
1599	singleton	2510065045	Burkholderia spreintiae	Burkholderia spreintiae WSM5005
1600	singleton	643886218	Helicobacter pullorum	Helicobacter pullorum MIT 98-5489
1601	singleton	2513237270	Neisseria shayegani	Neisseria shayegani 871
1602	singleton	2524023081	unclassified	Acidobacteria bacterium SCGC AC-337-B16
1603	singleton	2512047060	Haemophilus pittmaniae	Haemophilus pittmaniae HK 85
1604	singleton	642979319	Bacteroides finegoldii	Bacteroides finegoldii DSM 17565
1605	singleton	2528768078	Microlunatus sp.	Microlunatus sp. JGI 0001013-N15 (contamination screened)
1606	singleton	2545824735	Acinetobacter gerneri	Acinetobacter gerneri MTCC 9824
1607	singleton	650377986	Weeksella virosa	Weeksella virosa 9751, DSM 16922
1608	singleton	649989984	Planococcus donghaensis	Planococcus donghaensis MPA1U2
1609	singleton	644736346	Cryptobacterium curtum	Cryptobacterium curtum 12-3, DSM 15641
1610	singleton	2505679086	Pseudomonas fluorescens	Pseudomonas fluorescens NZ007
1611	singleton	2515154130	Kiloniella laminariae	Kiloniella laminariae DSM 19542
1612	singleton	2508501127	Mesorhizobium sp.	Mesorhizobium sp. WSM2561
1613	singleton	637000193	Nitrobacter winogradskyi	Nitrobacter winogradskyi Nb-255
1614	singleton	2513237165	Cupriavidus taiwanensis	Cupriavidus taiwanensis STM6070
1615	singleton	646311951	Rothia mucilaginosa	Rothia mucilaginosa DY-18
1616	singleton	646564550	Methanohalophilus mahii	Methanohalophilus mahii SLP, DSM 5219
1617	singleton	2528768053	Burkholderia sp.	Burkholderia sp. JGI 001013-G13 (contamination screened)
1618	singleton	2528768116	Rhizobium sp.	Rhizobium sp. JGI 0001019-L19 (contamination screened)
1619	singleton	2540341250	Mycobacterium sp.	Mycobacterium sp. 141
1620	singleton	2531839540	Streptomyces auratus	Streptomyces auratus AGR0001
1621	singleton	2545824720	Pseudoalteromonas agarivorans	Pseudoalteromonas agarivorans S816
1622	singleton	643348565	Methylocella silvestris	Methylocella silvestris BL2, DSM 15510
1623	singleton	2534682075	Streptococcus oralis	Streptococcus oralis SK100
1624	singleton	2517572121	Ahrensia kielensis	Ahrensia kielensis DSM 5890
1625	singleton	2509276022	Mesorhizobium australicum	Mesorhizobium australicum WSM2073
1626	singleton	2548877013	Streptomyces sulphureus	Streptomyces sulphureus L180
1627	singleton	2515154011	Longispora albida	Longispora albida DSM 44784
1628	singleton	638341092	Ferroplasma acidarmanus	Ferroplasma acidarmanus Fer1
1629	singleton	2513237393	Gluconobacter morbifer	Gluconobacter morbifer G707
1630	singleton	2517572136	Chitiniphilus shinanonensis	Chitiniphilus shinanonensis DSM 23277
1631	singleton	644736351	Desulfotomaculum acetoxidans	Desulfotomaculum acetoxidans 5575, DSM 771
1632	singleton	2534682077	Streptococcus oralis	Streptococcus oralis SK10, NCTC 7864, ATCC 10557
1633	singleton	2551306248	Streptococcus suis	Streptococcus suis Y57

1634	singleton	644736339	Catenulispora acidiphila	Catenulispora acidiphila ID139908, DSM 44928
1635	singleton	2509276054	Saccharomonospora xinjiangensis	Saccharomonospora xinjiangensis XI-54
1636	singleton	2522125100	Colwellia sp.	Colwellia sp. SCGC AC281-C22
1637	singleton	2511231002	Polaromonas sp.	Polaromonas sp. CF318
1638	singleton	2528768030	Bacillus sp.	Bacillus sp. JGI 0001002-E22 (contamination screened)
1639	singleton	2540341165	Propionibacterium propionicum	Propionibacterium propionicum F0230a
1640	singleton	2508501070	Sphaerochaeta pleomorpha	Sphaerochaeta pleomorpha Grapes
1641	singleton	2511231010	Pseudomonas sp.	Pseudomonas sp. GM25
1642	singleton	647533248	unclassified	gamma proteobacterium sp. HTCC5015
1643	singleton	2509276029	Xylanibacter oryzae	Xylanibacter oryzae KB 3, DSM 17970
1644	singleton	2551306122	Lactobacillus ingluviei	Lactobacillus ingluviei Autruche 4
1645	singleton	2541046998	Streptomyces sp.	Streptomyces sp. HGB0020
1646	singleton	2518645507	unclassified	Proteobacteria bacterium JGI 0000113-E04
1647	singleton	637000133	Helicobacter pylori	Helicobacter pylori HPAG1
1648	singleton	2551306664	Aeromonas sp.	Aeromonas sp. MDS7B
1649	singleton	2511231134	Oscillibacter valericigenes	Oscillibacter valericigenes Sjm18-20
1650	singleton	2521172633	Hymenobacter aerophilus	Hymenobacter aerophilus DSM 13606
1651	singleton	2545824659	Enterococcus phoenicicola	Enterococcus phoenicicola ATCC BAA-412
1652	singleton	2537561696	Porphyromonas catoniae	Porphyromonas catoniae F0037
1653	singleton	643886079	unclassified	Flavobacteria MS024-3C
1654	singleton	641380434	Kordia algicida	Kordia algicida OT-1
1655	singleton	2517093044	Methylosarcina lacus	Methylosarcina lacus LW14
1656	singleton	2541047018	Atopobium sp.	Atopobium sp. oral taxon 199 F0494
1657	singleton	2513237159	Rhizobium giardinii	Rhizobium giardinii bv. giardinii H152
1658	singleton	2529292926	Streptomyces tsukubaensis	Streptomyces tsukubaensis NRRL 18488
1659	singleton	650716019	Capnocytophaga canimorsus	Capnocytophaga canimorsus Cc5
1660	singleton	2537561733	Ochrobactrum anthropi	Ochrobactrum anthropi CDB2
1661	singleton	2522572048	unclassified	delta proteobacterium JGI 0000059-J07
1662	singleton	639633058	Shewanella sp.	Shewanella sp. ANA-3
1663	singleton	2519899535	Acidovorax sp.	Acidovorax sp. KKS102
1664	singleton	637000164	Methanospirillum hungatei	Methanospirillum hungatei JF-1
1665	singleton	2551306534	Clostridium arbusti	Clostridium arbusti SL206
1666	singleton	642791604	Ruminococcus lactaris	Ruminococcus lactaris ATCC 29176
1667	singleton	2537561987	Streptococcus sanguinis	Streptococcus sanguinis SK355
1668	singleton	638341157	Pseudoalteromonas tunicata	Pseudoalteromonas tunicata D2
1669	singleton	2534682022	Acinetobacter johnsonii	Acinetobacter johnsonii ANC 3681
1670	singleton	2264867085	unclassified	Calecamantes bacterium JGI 0000106-M22 (GBS-C_001_290)
1671	singleton	2547132133	Alistipes timonensis	Alistipes timonensis JC136
1672	singleton	650716012	Buchnera aphidicola	Buchnera aphidicola Ct
1673	singleton	2531839302	Atopobium minutum	Atopobium minutum 10063974
1674	singleton	2510065011	Geitlerinema sp.	Geitlerinema sp. PCC 7105
1675	singleton	2506520024	Dechloromonas sp.	Dechloromonas sp. JJ
1676	singleton	639857007	Synechococcus sp.	Synechococcus sp. RS9916
1677	singleton	643886183	Dethiobacter alkaliphilus	Dethiobacter alkaliphilus AHT1
1678	singleton	2531839558	Streptococcus sanguinis	Streptococcus sanguinis SK72
1679	singleton	647000224	Campylobacter jejuni	Campylobacter jejuni jejunii 414
1680	singleton	2522125134	Frankia sp.	Frankia sp. Iso899
1681	singleton	2522125061	unclassified	Acidobacteriaceae bacterium KBS 89, DSM 24296
1682	singleton	648028031	Helicobacter pylori	Helicobacter pylori PeCan4
1683	singleton	2524023064	unclassified	Deltaproteobacteria bacterium SCGC AAA240-J05
1684	singleton	2541047102	Pseudomonas sp.	Pseudomonas sp. CF1168
1685	singleton	2523533558	Microbacterium indicum	Microbacterium indicum DSM 19969
1686	singleton	648861010	Neisseria sp.	Neisseria sp. F0314
1687	singleton	2522125109	Cycloclasticus sp.	Cycloclasticus sp. SCGC AC281-A15
1688	singleton	2504643023	Candidatus Caldiarchaeum subterraneum	Candidatus Caldiarchaeum subterraneum
1689	singleton	2508501021	unclassified	Burkholderiales sp. JOSHI_001
1690	singleton	2554235382	Spiroplasma taiwanense	Spiroplasma taiwanense CT-1
1691	singleton	2513237138	Rhizobium sp.	Rhizobium sp. OR 191
1692	singleton	2524023137	Actinomyces gerencseriae	Actinomyces gerencseriae DSM 6844
1693	singleton	2513237398	Thermococcus litoralis	Thermococcus litoralis DSM 5473
1694	singleton	651324035	Gemella sanguinis	Gemella sanguinis M325
1695	singleton	2551306099	Bacillus endophyticus	Bacillus endophyticus 2102
1696	singleton	2547132519	Clostridium sp.	Clostridium sp. 12(A)
1697	singleton	2517572246	Pseudogulbenkiania sp.	Pseudogulbenkiania sp. MAI-1
1698	singleton	2540341198	Roseomonas gilardii	Roseomonas gilardii rosea ATCC BAA-691
1699	singleton	2517572174	Verrucomicrobium sp.	Verrucomicrobium sp. 3C
1700	singleton	2545824682	Amycolatopsis decaplanina	Amycolatopsis decaplanina DSM 44594
1701	singleton	2537561833	Prevotella saccharolytica	Prevotella saccharolytica F0055
1702	singleton	2531839177	Pseudomonas stutzeri	Pseudomonas stutzeri TS44
1703	singleton	642555129	Geobacter bemidjiensis	Geobacter bemidjiensis Bem, DSM 16622
1704	singleton	2509276064	Deinococcus hopeniensis	Deinococcus hopeniensis KR-140, DSM 18049
1705	singleton	2548877170	Mesoplasma seiffertii	Mesoplasma seiffertii ATCC 49495
1706	singleton	2513237365	unclassified	Ectothiorhodospira sp. PHS-1
1707	singleton	2264867170	unclassified	Aminicenantes bacterium SCGC AAA255-O15 (SAK_001_137)
1708	singleton	2264867011	unclassified	zeta proteobacterium SCGC AB-604-B04
1709	singleton	637000201	Oceanobacillus iheyensis	Oceanobacillus iheyensis HTE831
1710	singleton	2551306163	Nocardia exalbida	Nocardia exalbida NBRC 100660
1711	singleton	2524614843	Chitinibacter tainanensis	Chitinibacter tainanensis DSM 15459
1712	singleton	2547132157	Thermococcus zilligii	Thermococcus zilligii AN1
1713	singleton	2523231024	Lactobacillus ceti	Lactobacillus ceti DSM 22408
1714	singleton	646311949	Rhodothermus marinus	Rhodothermus marinus R-10, DSM 4252
1715	singleton	2547132292	Neisseria polysaccharea	Neisseria polysaccharea NS342

1716	singleton	2502790017	Methanosalsum zhilinae	Methanosalsum zhilinae WeN5, DSM 4017
1717	singleton	2531839497	Psychroflexus gondwanensis	Psychroflexus gondwanensis ACAM 44
1718	singleton	2551306482	Blastomonas sp.	Blastomonas sp. AAP53
1719	singleton	2524023229	Bacillus kribbensis	Bacillus kribbensis DSM 17871
1720	singleton	651324097	Salinisphaera shabanensis	Salinisphaera shabanensis E1L3A
1721	singleton	2547132118	Sphingomonas elodea	Sphingomonas elodea ATCC 31461
1722	singleton	2522572180	Meiothermus rufus	Meiothermus rufus DSM 22234
1723	singleton	2516493031	Actinopolyspora mortivallis	Actinopolyspora mortivallis HS-1, DSM 44261
1724	singleton	2554235465	Mycoplasma parvum	Mycoplasma parvum Indiana
1725	singleton	650377925	Coprococcus catus	Coprococcus catus GD/7
1726	singleton	2548876777	Acetobacter pasteurianus	Acetobacter pasteurianus 3P3
1727	singleton	2529292578	Bacillus sp.	Bacillus sp. UNC437CL72CvIS29
1728	singleton	2513237258	Mobilicoccus pelagius	Mobilicoccus pelagius NBRC 104925
1729	singleton	2519899577	Idiomarina xiamenensis	Idiomarina xiamenensis 10-D-4
1730	singleton	2540341099	Candidatus Methyloirabilis oxyfera	Candidatus Methyloirabilis oxyfera
1731	singleton	2513237372	Nocardia brasiliensis	Nocardia brasiliensis ATCC 700358
1732	singleton	2519103184	Smaragdicooccus niigatensis	Smaragdicooccus niigatensis DSM 44881
1733	singleton	2515154146	Cytophaga aurantiaca	Cytophaga aurantiaca DSM 3654
1734	singleton	2236661018	unclassified	Verrucomicrobia bacterium SCGC AAA300-O17
1735	singleton	2521172760	Pseudoclavibacter faecalis	Zimmermannella faecalis ATCC 13722
1736	singleton	2545555808	Pseudomonas flectens	Pseudomonas flectens ATCC 12775
1737	singleton	2518285535	Streptomyces sp.	Streptomyces sp. CNB091
1738	singleton	2529292954	unclassified	gamma proteobacterium BDW918
1739	singleton	2547132078	Vibrio rotiferianus	Vibrio rotiferianus DAT722
1740	singleton	2524023220	Desulfobacula toluolica	Desulfobacula toluolica ToI2
1741	singleton	2510436001	Acidithiobacillus ferrivorans	Acidithiobacillus ferrivorans SS3
1742	singleton	2264867175	unclassified	Aminicenantes bacterium SCGC AAA252-C08 (SAK_001_36)
1743	singleton	2264867187	unclassified	Aminicenantes bacterium SCGC AAA252-K06 (SAK_001_60)
1744	singleton	2516653063	Methyloferula stellata	Methyloferula stellata AR4
1745	singleton	2513237210	Helicobacter pylori	Helicobacter pylori PeCan18
1746	singleton	2513237379	Lactobacillus zeae	Lactobacillus zeae KCTC 3804
1747	singleton	639633036	Magnetococcus sp.	Magnetococcus sp. MC-1
1748	singleton	2228664050	unclassified	Verrucomicrobia bacterium SCGC AAA164-M04
1749	singleton	638341241	Yersinia mollaretii	Yersinia mollaretii ATCC 43969
1750	singleton	647000282	Mycoplasma alligatoris	Mycoplasma alligatoris A21JP2
1751	singleton	2512047074	Streptococcus macacae	Streptococcus macacae NCTC 11558
1752	singleton	2540341206	Ruminococcus albus	Ruminococcus albus AD2013
1753	singleton	643692052	Tolomonas auensis	Tolomonas auensis TA 4, DSM 9187
1754	singleton	2236347004	unclassified	gamma proteobacterium SCGC AAA076-E13
1755	singleton	2528768099	Rhizobium sp.	Rhizobium sp. JGI 0001002-E20 (contamination screened)
1756	singleton	2545824564	Cellulomonas sp.	Cellulomonas sp. KRMCY2
1757	singleton	2541047006	Pseudoalteromonas rubra	Pseudoalteromonas rubra ATCC 29570
1758	singleton	2524614558	Patulibacter americanus	Patulibacter americanus DSM 16676
1759	singleton	2537561812	Halomonas sp.	Halomonas sp. HAL1
1760	singleton	2547132147	Dielma fastidiosa	Dielma fastidiosa JC13
1761	singleton	651324023	Corynebacterium bovis	Corynebacterium bovis Evans, DSM 20582
1762	singleton	2512047087	Phaeobacter caeruleus	Phaeobacter caeruleus 13, DSM 24564
1763	singleton	650377919	Butyrivibrio fibrisolvens	Butyrivibrio fibrisolvens 16/4
1764	singleton	2517572024	Cyanobacterium sp.	Cyanobacterium sp. ESFC-1
1765	singleton	2517572087	unclassified	Firmicutes bacterium JGI 0000112-J22
1766	singleton	2547132194	Peptoniphilus obesi	Peptoniphilus obesi ph1
1767	singleton	643692030	Persephonella marina	Persephonella marina EX-H1
1768	singleton	640753014	Candidatus Methanoregula boonei	Candidatus Methanoregula boonei 6A8
1769	singleton	2524614650	Aerococcus urinaeequi	Aerococcus urinaeequi DSM 20341
1770	singleton	2551306257	Streptococcus suis	Streptococcus suis S24
1771	singleton	2524023203	Bifidobacterium magnum	Bifidobacterium magnum DSM 20222
1772	singleton	2528768088	unclassified	Proteobacteria bacterium JGI 0001009-D17 (contamination screened)
1773	singleton	647000288	Pasteurella dagmatis	Pasteurella dagmatis ATCC 43325
1774	singleton	2547132136	Brevibacterium senegalense	Brevibacterium senegalense JC43
1775	singleton	2511231158	Buchnera aphidicola	Buchnera aphidicola Ua
1776	singleton	637000314	Prochlorococcus sp.	Prochlorococcus sp. WH8102
1777	singleton	2524614513	Arenimonas composti	Arenimonas composti DSM 18010
1778	singleton	2534681984	Streptococcus infantis	Streptococcus infantis SK970
1779	singleton	2524614649	Sphingomonas jaspisi	Sphingomonas jaspisi DSM 18422
1780	singleton	2547132206	Edwardsiella tarda	Edwardsiella tarda 080813
1781	singleton	2523231054	Pedobacter oryzae	Pedobacter oryzae DSM 19973
1782	singleton	2551306384	Flavobacterium sp.	Flavobacterium sp. WG21
1783	singleton	2513237295	Desulfovibrio sp.	Desulfovibrio sp. A2
1784	singleton	637000019	Bacillus clausii	Bacillus clausii KSM-K16
1785	singleton	642979320	Collinsella intestinalis	Collinsella intestinalis DSM 13280
1786	singleton	2524023076	unclassified	Acidobacteria bacterium SCGC AB-633-N09
1787	singleton	645951838	Lactobacillus antri	Lactobacillus antri DSM 16041
1788	singleton	640753034	Methanococcus aeolicus	Methanococcus aeolicus Nankai-3
1789	singleton	2264265191	Dehalobacter sp.	Dehalobacter sp. FTH1
1790	singleton	2518645582	Methanomassilicoccus luminyensis	Methanomassilicoccus luminyensis B10
1791	singleton	2527291528	unclassified	Firmicutes bacterium SCGC AC-310-O15
1792	singleton	2541047082	Enterobacter sp.	Enterobacter sp. R4-368
1793	singleton	2551306130	Tsukamurella sp.	Tsukamurella sp. 1534
1794	singleton	650716026	Cellulosilyticum lentocellum	Cellulosilyticum lentocellum RHM5, DSM 5427
1795	singleton	2517572114	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ16
1796	singleton	639633002	Acidovorax avenae	Acidovorax avenae citrulli AAC00-1
1797	singleton	2524023210	Bradyrhizobium sp.	Bradyrhizobium sp. Ai1a-2

1798	singleton	2554235033	Nocardiopsis gilva	Nocardiopsis gilva YIM 90087
1799	singleton	646564566	Segniliparus rotundus	Segniliparus rotundus CDC 1076, DSM 44985
1800	singleton	2524023086	Paenibacillus assamensis	Paenibacillus assamensis DSM 18201
1801	singleton	2513237355	Alishewanella jeotgali	Alishewanella jeotgali KCTC 22429
1802	singleton	2524614759	Comamonas composti	Comamonas composti DSM 21721
1803	singleton	2540341082	Natronomonas moolapensis	Natronomonas moolapensis 8.8.11, DSM 18674
1804	singleton	2529292503	Derxia gummosa	Derxia gummosa DSM 723
1805	singleton	2513020022	Salinibacter sp.	Salinibacter sp. J075B67
1806	singleton	647533202	unclassified	Rhodobacterales sp. HTCC2083
1807	singleton	2508501003	Arcobacter sp.	Arcobacter sp. CAB
1808	singleton	2526164783	Streptomyces sp.	Streptomyces sp. CNS606
1809	singleton	2523533605	Desulfobulbus mediterraneus	Desulfobulbus mediterraneus DSM 13871
1810	singleton	2511231079	Paenibacillus terrae	Paenibacillus terrae HPL-003
1811	singleton	2545824668	Campylobacter showae	Campylobacter showae CC57C
1812	singleton	637000240	Rhodopseudomonas palustris	Rhodopseudomonas palustris HaA2
1813	singleton	2524614508	Halomonas jeotgali	Halomonas jeotgali Hwa
1814	singleton	640196202	Thermosinus carboxydivorans	Thermosinus carboxydivorans Nor1
1815	singleton	2264867237	unclassified	Marinimicrobia bacterium JGI 0000059-E23 (TABiofilm_001_165)
1816	singleton	2517093013	Rudanella lutea	Rudanella lutea DSM 19387
1817	singleton	2551306120	Shewanella sp.	Shewanella sp. POL2
1818	singleton	2515154108	Streptococcus orisratti	Streptococcus orisratti DSM 15617
1819	singleton	2523533584	Dermatophilus congolensis	Dermatophilus congolensis DSM 44180
1820	singleton	2517572208	Methylocystis sp.	Methylocystis sp. Rockwell, ATCC 49242
1821	singleton	2524614548	Desulfovibrio desulfuricans	Desulfovibrio desulfuricans desulfuricans DSM 642
1822	singleton	2512875005	Haloquadratum walsbyi	Haloquadratum walsbyi J07HQW1 (version 2)
1823	singleton	2265129007	Candidatus Poribacteria sp.	Candidatus Poribacteria sp. WGA-4C (final_clean_version)
1824	singleton	2511231222	Azospirillum brasilense	Azospirillum brasilense Sp245
1825	singleton	2504136000	Hippea maritima	Hippea maritima MH2, DSM 10411
1826	singleton	2507262028	Wolbachia persica	Wolbachia persica FSC845
1827	singleton	2506210001	Acidobacterium unclassified	Acidobacterium strain C40
1828	singleton	643348584	Thermotoga neapolitana	Thermotoga neapolitana DSM 4359
1829	singleton	2524614856	Tuberibacillus calidus	Tuberibacillus calidus DSM 17572
1830	singleton	2521172651	Vitreoscilla stercoraria	Vitreoscilla stercoraria DSM 513
1831	singleton	2547132169	Amphibacillus jilinensis	Amphibacillus jilinensis Y1
1832	singleton	2509601017	Halobacteroides halobius	Halobacteroides halobius MD-1, DSM 5150
1833	singleton	2531839525	Halobacillus sp.	Halobacillus sp. BAB-2008
1834	singleton	2527291521	unclassified	Atribacteria bacterium SCGC AAA252-M02 (Combined_Assembly_OP9_1_OP9)
1835	singleton	643886199	Blautia hydrogenotrophica	Blautia hydrogenotrophica DSM 10507
1836	singleton	2524614837	Pseudobutyrvibrio ruminis	Pseudobutyrvibrio ruminis CF1b
1837	singleton	646564582	Thermocrinis albus	Thermocrinis albus HI 11/12, DSM 14484
1838	singleton	640427135	Pyrobaculum arsenaticum	Pyrobaculum arsenaticum PZ6, DSM 13514
1839	singleton	2551306183	Nocardia veterana	Nocardia veterana NBRC 100344
1840	singleton	637000208	Polaromonas sp.	Polaromonas sp. JS666
1841	singleton	2547132151	Brevibacillus massiliensis	Brevibacillus massiliensis pHR
1842	singleton	2529293002	Natronolimnobius innermongolicus	Natronolimnobius innermongolicus JCM 12255
1843	singleton	2509276051	Clostridium sp.	Clostridium sp. BNL1100
1844	singleton	2541047105	Erwinia tracheiphila	Erwinia tracheiphila PSU-1
1845	singleton	2516653037	Janthinobacterium lividum	Janthinobacterium lividum PAMC 25724
1846	singleton	2528768089	unclassified	Proteobacteria bacterium JGI 0001013-N05 (contamination screened)
1847	singleton	2517487002	Loktanella sp.	Loktanella sp. SE62
1848	singleton	2547132176	Microbacterium oxydans	Microbacterium oxydans UCD-TDU
1849	singleton	2540341191	Butyricimonas virosa	Butyricimonas virosa DSM 23226
1850	singleton	2554235479	Haloarcula argentinensis	Haloarcula argentinensis DSM 12282
1851	singleton	2507262052	Synechococcus sp.	Synechococcus sp. WH 8016
1852	singleton	642555124	Clavibacter michiganensis	Clavibacter michiganensis sepedonicus ATCC 33113
1853	singleton	2541046976	Actinobaculum schaalii	Actinobaculum schaalii FB123-CNA-2
1854	singleton	642555146	Pelodictyon phaeoclathratiforme	Pelodictyon phaeoclathratiforme BU-1
1855	singleton	2522572150	Bacillus sp.	Bacillus sp. URHB0009
1856	singleton	2551306669	Deinococcus wulumuqiensis	Deinococcus wulumuqiensis R12
1857	singleton	2501025505	Palaeococcus ferrophilus	Palaeococcus ferrophilus DMJ, DSM 13482
1858	singleton	2531839276	Thauera phenylacetica	Thauera phenylacetica B4P
1859	singleton	2508501023	Desulfobacterium postgatei	Desulfobacter postgatei 2ac9
1860	singleton	2506783053	Gillisia limnaea	Gillisia limnaea R-8282, DSM 15749
1861	singleton	2264867164	unclassified	Aminicenantes bacterium SCGC AAA255-A06 (SAK_001_119)
1862	singleton	638341223	Photobacterium angustum	Photobacterium angustum S14
1863	singleton	2518645591	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:12
1864	singleton	2506381016	Lactobacillus reuteri	Lactobacillus reuteri mlc3
1865	singleton	2548876978	Staphylococcus delphini	Staphylococcus delphini 8086
1866	singleton	2527291509	unclassified	Aigarchaeota archaea SCGC AAA471-B22 (Combined_Assembly_pSL4_1_pSL4)
1867	singleton	2505679075	Methanocella paludicola	Methanocella paludicola SANAE (reannotation)
1868	singleton	2513237144	Rhizobium sulae	Rhizobium sulae WSM1592
1869	singleton	638154514	Pyrococcus abyssi	Pyrococcus abyssi GE5
1870	singleton	646564504	Anabaena variabilis	Anabaena variabilis ATCC 29413
1871	singleton	643348557	Halothermothrix orenii	Halothermothrix orenii H 168
1872	singleton	2515154024	Streptococcus ferus	Streptococcus ferus DSM 20646
1873	singleton	2519899511	Microbacterium sp.	Microbacterium sp. 292MF
1874	singleton	2524614732	Varibaculum cambriense	Varibaculum cambriense DSM 15806
1875	singleton	2519899801	Helicobacter pylori	Helicobacter pylori R037c
1876	singleton	2547132182	Megasphaera massiliensis	Megasphaera massiliensis NP3
1877	singleton	2503283019	unclassified	Rickettsiales sp. HIMB114
1878	singleton	640069313	Herminiimonas arsenicoxydans	Herminiimonas arsenicoxydans ULPAs1
1879	singleton	2551306352	Acinetobacter sp.	Acinetobacter sp. GG2

1880	singleton	649633038	Desulfurispirillum indicum	Desulfurispirillum indicum S5, DSM 22839
1881	singleton	2528768124	unclassified	Sphingomonas sp. JGI 0001003-H15 (contamination screened)
1882	singleton	647533231	Streptococcus sp.	Streptococcus sp. 2_1_36FAA
1883	singleton	2523231046	Gordonia sihwensis	Gordonia sihwensis NBRC 108236
1884	singleton	2517093009	Salisaeta longa	Salisaeta longa DSM 21114
1885	singleton	2511231071	Megasphaera elsdenii	Megasphaera elsdenii DSM 20460
1886	singleton	637000226	Psychrobacter arcticus	Psychrobacter arcticus 273-4
1887	singleton	2524614701	Dorea longicatena	Dorea longicatena AGR2136
1888	singleton	2528768055	unclassified	Burkholderiales bacterium JGI 0001003-A5 (contamination screened)
1889	singleton	2515154032	Amycolatopsis taiwanensis	Amycolatopsis taiwanensis DSM 45107
1890	singleton	640963026	Limnobacter sp.	Limnobacter sp. MED105
1891	singleton	2518645616	Megasphaera cerevisiae	Megasphaera cerevisiae DSM 20462
1892	singleton	2524614758	Actinobaculum urinale	Actinobaculum urinale DSM 15805
1893	singleton	2236661007	unclassified	actinobacterium SCGC AAA278-O22
1894	singleton	642555133	Kocuria rhizophila	Kocuria rhizophila DC2201
1895	singleton	639633052	Psychromonas ingrahamii	Psychromonas ingrahamii 37
1896	singleton	2511231023	Pseudomonas sp.	Pseudomonas sp. GM80
1897	singleton	648028052	Spirochaeta smaragdinae	Spirochaeta smaragdinae SEBR 4228, DSM 11293
1898	singleton	2513237382	Sporolactobacillus inulinus	Sporolactobacillus inulinus CASD
1899	singleton	640427115	Geobacter uraniireducens	Geobacter uraniireducens Rf4
1900	singleton	649633086	Pseudomonas fluorescens	Pseudomonas fluorescens SBW25
1901	singleton	2524023181	Bacillus azotoformans	Bacillus azotoformans LMG 9581
1902	singleton	2551306372	Roseomonas sp.	Roseomonas sp. B5
1903	singleton	643348539	Desulfovibrio vulgaris	Desulfovibrio vulgaris Miyazaki F
1904	singleton	2522572127	Thiomicrospira arctica	Thiomicrospira arctica DSM 13458
1905	singleton	2513237284	Candidatus Aquiluna sp.	Candidatus Aquiluna sp. IMCC13023
1906	singleton	2547132261	Ensifer fredii	Ensifer fredii GR64
1907	singleton	649990014	Streptococcus sanguinis	Streptococcus sanguinis ATCC 49296
1908	singleton	643692024	Gemmatimonas aurantiaca	Gemmatimonas aurantiaca T-27T
1909	singleton	2524614714	Butyrivibrio sp.	Butyrivibrio sp. NC3005
1910	singleton	2529293030	Helicobacter pylori	Helicobacter pylori NQ4228
1911	singleton	2517434006	Brevibacterium casei	Brevibacterium casei S18
1912	singleton	2511231041	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique SAR11 HTCC9022
1913	singleton	2523533611	Ottowia thiooxydans	Ottowia thiooxydans DSM 14619
1914	singleton	643348528	Clostridium cellulolyticum	Clostridium cellulolyticum H10
1915	singleton	637000010	Aquifex aeolicus	Aquifex aeolicus VF5
1916	singleton	640753055	Streptococcus gordonii	Streptococcus gordonii Challis CH1
1917	singleton	2548877000	Zavarzinella formosa	Zavarzinella formosa DSM 19928
1918	singleton	637000067	Chlamydomphila felis	Chlamydomphila felis Fe/C-56
1919	singleton	2519899550	Alicyclobacillus hesperidum	Alicyclobacillus hesperidum URH17-3-68
1920	singleton	2551306108	Brevibacillus brevis	Brevibacillus brevis X23
1921	singleton	646564521	unclassified	Clostridiales genomosp. BVAB3 UPII9-5
1922	singleton	2523533629	Chryseobacterium palustre	Chryseobacterium palustre DSM 21579
1923	singleton	2504756013	unclassified	Geoarchaeota archaeon OSPB-1 (8 best scaffolds)
1924	singleton	2506210033	Ehrlichia muris	Ehrlichia muris (Finished)
1925	singleton	2519899655	unclassified	gamma proteobacterium SCGC AB-602-M20
1926	singleton	2521172529	Rubellimicrobium thermophilum	Rubellimicrobium thermophilum DSM 16684
1927	singleton	646311953	Sphaerobacter thermophilus	Sphaerobacter thermophilus 4ac11, DSM 20745
1928	singleton	2508501111	Herpetosiphon aurantiacus	Herpetosiphon aurantiacus DSM 785
1929	singleton	2524614564	Streptomyces sp.	Streptomyces sp. TAA040
1930	singleton	2534681947	Thalassospira xiamenensis	Thalassospira xiamenensis M-5, DSM 17429
1931	singleton	2507262047	unclassified	Flavobacteria bacterium MS220-5C
1932	singleton	641380451	Vibrio campbellii	Vibrio campbellii AND4
1933	singleton	638341234	Wolbachia endosymbiont	Wolbachia endosymbiont of Drosophila willistoni TSC#14030-0811.24
1934	singleton	640612206	Collinsella aerofaciens	Collinsella aerofaciens ATCC 25986
1935	singleton	2548876794	Kurthia sp.	Kurthia sp. Dielmo
1936	singleton	2524614697	Butyrivibrio hungatei	Butyrivibrio hungatei NK4A153
1937	singleton	644736385	Methanocaldococcus fervens	Methanocaldococcus fervens AG86
1938	singleton	2540341070	Desulfocapsa sulfexigens	Desulfocapsa sulfexigens DSM 10523
1939	singleton	640753026	Fervidobacterium nodosum	Fervidobacterium nodosum Rt17-B1
1940	singleton	2522125112	unclassified	Comamonadaceae bacterium JGI 0001015-B10
1941	singleton	637000163	Methanosphaera stadtmanae	Methanosphaera stadtmanae DSM 3091
1942	singleton	2513237305	Mesorhizobium amorphae	Mesorhizobium amorphae CCNWS0123
1943	singleton	640963012	Beggiatoa sp.	Beggiatoa sp. SS
1944	singleton	2511231118	Lactobacillus sanfranciscensis	Lactobacillus sanfranciscensis TMW 1.1304
1945	singleton	643886143	Subdoligranulum variabile	Subdoligranulum variabile DSM 15176
1946	singleton	2521172684	Alteromonas macleodii	Alteromonas macleodii Black Sea 11
1947	singleton	2541048006	Lactobacillus sp.	Lactobacillus plantarum EGD-AQ4
1948	singleton	641736193	Anaerofustis stercorihominis	Anaerofustis stercorihominis DSM 17244
1949	singleton	2510917021	unclassified	Novosphingobium sp. AP12
1950	singleton	2264867221	unclassified	Aigarchaeota archaeon JGI 0000001-H6 (GBS-A_001_118)
1951	singleton	2518285549	Allofustis seminis	Allofustis seminis DSM 15817
1952	singleton	2548876533	SAR324 cluster	SAR324 cluster bacterium JCVI-SC AAA005
1953	singleton	643348534	Cyanothecae sp.	Cyanothecae sp. PCC 7425
1954	singleton	639633063	Syntrophobacter fumaroxidans	Syntrophobacter fumaroxidans MPOB
1955	singleton	2528768075	Ensifer sp.	Ensifer sp. JGI 0001036-M18 (contamination screened)
1956	singleton	2524023144	Alcaligenes faecalis	Alcaligenes faecalis phenolicus DSM 16503
1957	singleton	2517572222	Corynebacterium capitovis	Corynebacterium capitovis DSM 44611
1958	singleton	2265123003	unclassified	zeta proteobacterium SCGC AB-137-I08
1959	singleton	2236347019	unclassified	actinobacterium SCGC AAA015-M09
1960	singleton	2504756037	Piscirickettsia salmonis	Piscirickettsia salmonis FSC773
1961	singleton	2503982034	Polynucleobacter necessarius	Polynucleobacter necessarius necessarius STIR1 (Endosymbiont)

1962	singleton	647000339	Vibrio metschnikovii	Vibrio metschnikovii CIP 69.14
1963	singleton	645951831	Faecalibacterium prausnitzii	Faecalibacterium prausnitzii A2-165
1964	singleton	2531839187	Glaciecola mesophila	Glaciecola mesophila KMM 241
1965	singleton	2517572070	Desulfobulbus sp.	Desulfobulbus sp. oral taxon 041 Dsb1-5
1966	singleton	2551306152	unclassified	Sphingomonas sp. ATCC 31555
1967	singleton	2502422305	Desulfonema limicola	Desulfonema limicola Jadebusen, DSM 2076
1968	singleton	2531839546	Streptococcus oralis	Streptococcus oralis SK304
1969	singleton	650716017	Candidatus Pelagibacter sp.	Candidatus Pelagibacter sp. IMCC9063
1970	singleton	637000180	Mycoplasma mobile	Mycoplasma mobile 163K
1971	singleton	2509276045	Prochlorothrix hollandica	Prochlorothrix hollandica PCC 9006
1972	singleton	2508501119	Saccharomonospora glauca	Saccharomonospora glauca K62, DSM 43769
1973	singleton	641380421	Parvimonas micra	Parvimonas micra ATCC 33270
1974	singleton	2508501039	Frankia sp.	Frankia sp. CN3
1975	singleton	2551306490	Azospirillum brasilense	Azospirillum brasilense FP2
1976	singleton	2529293035	Helicobacter pylori	Helicobacter pylori NQ4053
1977	singleton	2264867003	unclassified	Crenarchaeota archaeon SCGC AAA471-C03 (GBS-N_001_6)
1978	singleton	2524614573	Marinospirillum minutulum	Marinospirillum minutulum DSM 6287
1979	singleton	2554235489	Halorubrum kocurii	Halorubrum kocurii JCM 14978
1980	singleton	639857036	unclassified	Marine gamma proteobacterium sp. HTCC2080
1981	singleton	2537562009	Acinetobacter lwoffii	Acinetobacter lwoffii NCTC 5866
1982	singleton	646564528	Desulfurivibrio alkaliphilus	Desulfurivibrio alkaliphilus AHT2
1983	singleton	649633100	Terriglobus saanensis	Terriglobus saanensis SP1PR4, DSM 23119
1984	singleton	2264867247	unclassified	Synergistetes bacterium JGI 0000079-D21 (TABiofilm_001_233)
1985	singleton	637000217	Pseudoalteromonas haloplanktis	Pseudoalteromonas haloplanktis TAC125
1986	singleton	2524023130	Psychroserpens burtonensis	Psychroserpens burtonensis DSM 12212
1987	singleton	644736375	Hirschia baltica	Hirschia baltica ATCC 49814
1988	singleton	2523533628	Desulfovibrio zosteriae	Desulfovibrio zosteriae DSM 11974
1989	singleton	638341169	Reinekea sp.	Reinekea sp. MED297
1990	singleton	2528768231	unclassified	candidate division OP8 bacterium SCGC AC-708-M15
1991	singleton	2526164707	Bartonella australis	Bartonella australis Aust/NH1
1992	singleton	2505119014	Pseudoalteromonas flavipulchra	Pseudoalteromonas flavipulchra 2ta6 (Draft assembly 1)
1993	singleton	2517287028	Methylocystis rosea	Methylocystis rosea SV97T
1994	singleton	640753042	Pseudomonas aeruginosa	Pseudomonas aeruginosa PA7
1995	singleton	2537561592	Arthrobacter crystallopoietes	Arthrobacter crystallopoietes BAB-32
1996	singleton	2503982046	Peptoniphilus asaccharolyticus	Peptoniphilus asaccharolyticus UW 228, DSM 20463
1997	singleton	2551306521	Burkholderia kururiensis	Burkholderia kururiensis M130
1998	singleton	2524023241	Epilithonimonas tenax	Epilithonimonas tenax DSM 16811
1999	singleton	651324103	Streptococcus porcinus	Streptococcus porcinus Jelinkova 176
2000	singleton	2506783063	Thioalkalimicrobium aerophilum	Thioalkalimicrobium aerophilum AL3
2001	singleton	2508501041	Synechococcus sp.	Synechococcus sp. PCC 7502
2002	singleton	2528768169	unclassified	Bacteroidales bacterium PSC KfJoeBact2-3
2003	singleton	641228478	Bartonella tribocorum	Bartonella tribocorum CIP 105476
2004	singleton	650377909	Bacteriovorax marinus	Bacteriovorax marinus SJ
2005	singleton	2519899769	actinobacterium sp.	actinobacterium SCGC AAA041-L13
2006	singleton	2504136012	Alteromonas taeenanensis	Alteromonas taeenanensis SN2
2007	singleton	2524614578	Streptomyces sp.	Streptomyces sp. Amel2xB2
2008	singleton	2524614876	Chryseobacterium caeni	Chryseobacterium caeni DSM 17710
2009	singleton	2510917030	Rhizobium sp.	Rhizobium sp. CF142
2010	singleton	2522572098	Pseudomonas sp.	Pseudomonas sp. LAL14HWK12:12
2011	singleton	2534682026	Acinetobacter lwoffii	Acinetobacter lwoffii NIPH 478
2012	singleton	646206255	Helicobacter winghamensis	Helicobacter winghamensis ATCC BAA-430
2013	singleton	254555860	Brachyspira alvinipulli	Brachyspira alvinipulli ATCC 51933
2014	singleton	2534681794	Helicobacter pylori	Helicobacter pylori A45
2015	singleton	2545824697	Gracilibacillus halophilus	Gracilibacillus halophilus YIM-C55.5
2016	singleton	2554235426	Corynebacterium sp.	Corynebacterium argentoratense DSM 44202
2017	singleton	649633108	Xenorhabdus nematophila	Xenorhabdus nematophila ATCC 19061
2018	singleton	2523231038	Gordonia effusa	Gordonia effusa NBRC 100432
2019	singleton	2524614685	Pseudobutyrvibrio ruminis	Pseudobutyrvibrio ruminis AD2017
2020	singleton	647533232	Streptococcus sp.	Streptococcus sp. M143
2021	singleton	2513237333	Roseomonas cervicalis	Roseomonas cervicalis ATCC 49957
2022	singleton	2228664053	unclassified	gamma proteobacterium SCGC AAA076-D13
2023	singleton	2522572155	Solirubrobacter sp.	Solirubrobacter sp. URHD0082
2024	singleton	643692029	Nautilia profundicola	Nautilia profundicola Am-H
2025	singleton	649633057	Intrasporangium calvum	Intrasporangium calvum 7KIP, DSM 43043
2026	singleton	2528311138	Streptococcus canis	Streptococcus canis FSL Z3-227
2027	singleton	2264867236	unclassified	Marinimicrobia bacterium JGI 0000059-D20 (TABiofilm_001_164)
2028	singleton	650716044	Lacinutrix algicola	Lacinutrix algicola 5H-3-7-4
2029	singleton	2554235458	Thermofilum sp.	Thermofilum sp. 1910b
2030	singleton	2502790015	Aminomonas paucivorans	Aminomonas paucivorans GLU-3, DSM 12260
2031	singleton	2511231000	Chryseobacterium sp.	Chryseobacterium sp. CF314
2032	singleton	637000115	Frankia alni	Frankia alni ACN14a
2033	singleton	648276616	Afipia sp.	Afipia sp. 1NL52
2034	singleton	2551306168	Nocardia araoensis	Nocardia araoensis NBRC 100135
2035	singleton	651324060	Lactobacillus farciminis	Lactobacillus farciminis KCTC 3681
2036	singleton	2551306165	Nocardia carnea	Nocardia carnea NBRC 14403
2037	singleton	2528768130	Variovorax sp.	Variovorax sp. JGI 0001014-H11 (contamination screened)
2038	singleton	2540341247	Oceanicola sp.	Oceanicola sp. HL-35
2039	singleton	2524614800	Jonesia quinghaiensis	Jonesia quinghaiensis DSM 15701
2040	singleton	2236661005	unclassified	actinobacterium SCGC AAA044-N04
2041	singleton	2528768118	Rhizobium sp.	Rhizobium sp. JGI 0001036-B20 (contamination screened)
2042	singleton	642555113	Burkholderia phytofirmans	Burkholderia phytofirmans PsJN
2043	singleton	2504557021	unclassified	gamma proteobacterium HIMB30

2044	singleton	2515154212	Kangiella aquimarina	Kangiella aquimarina DSM 16071
2045	singleton	2509276063	Aequorivita sublithincola	Aequorivita sublithincola QSSC9-3, DSM 14238
2046	singleton	649633067	Methanothermus fervidus	Methanothermus fervidus V24S, DSM 2088
2047	singleton	2518285527	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL11
2048	singleton	641522612	Caulobacter sp.	Caulobacter sp. K31
2049	singleton	648861016	Streptomyces pristinaespiralis	Streptomyces pristinaespiralis ATCC 25486
2050	singleton	2264867226	unclassified	Aigarchaeota archaeon SCGC AAA471-J07 (GBS-N_001_18)
2051	singleton	2515154155	Actinopolymorpha alba	Actinopolymorpha alba DSM 45243
2052	singleton	643886181	Abiotrophia defectiva	Abiotrophia defectiva ATCC 49176
2053	singleton	651324067	Leuconostoc kimchii	Leuconostoc fallax 6, KCTC 3537
2054	singleton	2522125151	Methylomonas sp.	Methylomonas sp. MK1
2055	singleton	2545824724	Streptomyces albus	Streptomyces albus CCR 11814
2056	singleton	2551306110	Microbacterium barkeri	Microbacterium barkeri 2011-R4
2057	singleton	251989788	Bartonella taylorii	Bartonella taylorii 8TBB
2058	singleton	647533124	Citricella sp.	Citricella sp. SE45
2059	singleton	2264867211	unclassified	Atribacteria bacterium JGI 0000014-F07 (Etoliko_001_227)
2060	singleton	646564534	Ferroglobus placidus	Ferroglobus placidus AED112DO, DSM 10642
2061	singleton	2513237267	Tannerella sp.	Tannerella sp. 6_1_58FAA_CT1
2062	singleton	2531839707	Brevundimonas diminuta	Brevundimonas diminuta 470-4
2063	singleton	2531839472	Haemophilus paraphrohaemolyticus	Haemophilus paraphrohaemolyticus HK411, NCTC 10670
2064	singleton	2547132174	Gayadomonas joobiniege	Gayadomonas joobiniege G7
2065	singleton	651324090	Prevotella pallens	Prevotella pallens ATCC 700821
2066	singleton	637000167	Moorella thermoacetica	Moorella thermoacetica ATCC 39073
2067	singleton	2524023225	Chitinilyticum aquatile	Chitinilyticum aquatile DSM 21506
2068	singleton	641522610	Candidatus Desulfuridus audaxviator	Candidatus Desulfuridus audaxviator MP104C
2069	singleton	2513237374	Prevotella sp.	Prevotella sp. oral taxon 306 F0472
2070	singleton	2508501110	Ectothiorhodospira haloalkaliphila	Ectothiorhodospira haloalkaliphila Imhoff 51/7, ATCC 51935
2071	singleton	2513237329	unclassified	Lachnospiraceae bacterium sp. 7_1_58FAA
2072	singleton	2512564078	Coralloccoccus coralloides	Coralloccoccus coralloides DSM 2259
2073	singleton	2512047018	Pseudomonas chlororaphis	Pseudomonas chlororaphis chlororaphis GP72 (Draft1)
2074	singleton	643886047	Lactobacillus ultunensis	Lactobacillus ultunensis DSM 16047
2075	singleton	2517572248	Campylobacter curvus	Campylobacter curvus DSM 6644
2076	singleton	2503904014	Sphingobium chlorophenolicum	Sphingobium chlorophenolicum L-1
2077	singleton	637000011	Candidatus Phytoplasma unclassified	Candidatus Phytoplasma aster yellows witches'-broom AY-WB
2078	singleton	2523533556	Nesiotobacter exalbescens	Nesiotobacter exalbescens DSM 16456
2079	singleton	2513237321	Gordonia sputi	Gordonia sputi NBRC 100414
2080	singleton	2511231093	Thermoproteus tenax	Thermoproteus tenax Kra1
2081	singleton	2515154107	Sinorhizobium meliloti	Ensifer meliloti 4H41
2082	singleton	647000230	Corynebacterium ammoniagenes	Corynebacterium ammoniagenes DSM 20306
2083	singleton	2502422327	Candidatus Nanosalinarum sp.	Candidatus Nanosalinarum sp. J07AB56 (J07NFR56)
2084	singleton	641228486	Clostridium phytofermentans	Clostridium phytofermentans ISDg
2085	singleton	2528768227	unclassified	archaeon SCGC AC-708-M03
2086	singleton	649990029	Vibrio caribbenthicus	Vibrio caribbenthicus ATCC BAA-2122
2087	singleton	2505679056	Mesorhizobium sp.	Mesorhizobium sp. J18
2088	singleton	2513237120	Glycomyces tenuis	Glycomyces tenuis DSM 44171
2089	singleton	2515154017	Actinoplanes globisporus	Actinoplanes globisporus DSM 43857
2090	singleton	2513237153	Bradyrhizobium sp.	Bradyrhizobium sp. WSM2254
2091	singleton	649633043	Ethanoligenens harbinense	Ethanoligenens harbinense YUAN-3T, DSM 18485
2092	singleton	2506783064	Sulfurospirillum barnesii	Sulfurospirillum barnesii SES-3
2093	singleton	2510065085	Caldanaerobius polysaccharolyticum	Caldanaerobius polysaccharolyticum KMTHCJ, DSM 13641
2094	singleton	2524614582	Gordonia shandongensis	Gordonia shandongensis DSM 45094
2095	singleton	2534682187	Alisewanella agri	Alisewanella agri BL06
2096	singleton	2524614554	Bacteroides pyogenes	Bacteroides pyogenes DSM 20611
2097	singleton	2519899827	Helicobacter pylori	Helicobacter pylori R055a
2098	singleton	2551306413	unclassified	Paenisporsarcina sp. TG-14
2099	singleton	640427128	Pelotomaculum thermopropionicum	Pelotomaculum thermopropionicum SI
2100	singleton	646311934	Haloterrigena turkmenica	Haloterrigena turkmenica VKM B-1734, DSM 5511
2101	singleton	638341151	Photobacterium sp.	Photobacterium sp. SKA34
2102	singleton	2264867200	unclassified	Aminicenantes bacterium SCGC AAA252-P19 (SAK_001_93)
2103	singleton	2524023135	Shewanella denitrificans	Shewanella denitrificans OS217
2104	singleton	2504136006	Desulfobacca acetoxidans	Desulfobacca acetoxidans ASRB2, DSM 11109
2105	singleton	2537562134	Planococcus halocryophilus	Planococcus halocryophilus Or1
2106	singleton	2524023066	unclassified	Gemmatimonadetes bacterium SCGC AAA003-K10
2107	singleton	2264867083	unclassified	Calescamantes bacterium JGI 0000106-15 (GBS-C_001_287)
2108	singleton	2524614713	Butyrivibrio sp.	Butyrivibrio sp. MC2013
2109	singleton	637000053	Burkholderia xenovorans	Burkholderia xenovorans LB400
2110	singleton	648028004	Acinetobacter sp.	Acinetobacter sp. DR1
2111	singleton	643348543	Dictyoglomus turgidum	Dictyoglomus turgidum DSM 6724
2112	singleton	2547132152	Enorma massiliensis	Enorma massiliensis phi
2113	singleton	2528768101	Rhizobium sp.	Rhizobium sp. JGI 0001003-J22 (contamination screened)
2114	singleton	2540341246	Thiomicrospira kuenenii	Thiomicrospira kuenenii DSM 12350
2115	singleton	2548877024	Catenovulum agarivorans	Catenovulum agarivorans YM01
2116	singleton	2541047015	Dermabacter sp.	Dermabacter sp. HFH0086
2117	singleton	2524614536	Glaciibacter superstes	Glaciibacter superstes DSM 21135
2118	singleton	646311938	Kribbella flavida	Kribbella flavida IFO 14399, DSM 17836
2119	singleton	2541047971	Streptomyces rimosus	Streptomyces rimosus rimosus ATCC 10970
2120	singleton	651285002	Clostridium sp.	Clostridium sp. D5
2121	singleton	2537561731	Butyricoccus pullicaecorum	Butyricoccus pullicaecorum 1.2
2122	singleton	648028023	Desulfarculus baarsii	Desulfarculus baarsii 2st14, DSM 2075
2123	singleton	2511231015	Pseudomonas sp.	Pseudomonas sp. GM49
2124	singleton	648861005	Bacteroides sp.	Bacteroides sp. F0058
2125	singleton	2505119043	Thermovirga lienii	Thermovirga lienii Cas60314, DSM 17291

2126	singleton	2515154082	Marinobacter lipolyticus	Marinobacter lipolyticus BF04_CF-4
2127	singleton	2551306177	Nocardia transvalensis	Nocardia transvalensis NBRC 15921
2128	singleton	2513237347	Lactobacillus kisonensis	Lactobacillus kisonensis F0435
2129	singleton	2540341043	Pseudomonas aeruginosa	Pseudomonas aeruginosa VRFPA01
2130	singleton	2518645536	Riemerella anatipestifer	Riemerella anatipestifer RA-CH-1
2131	singleton	651324106	Streptomyces griseoaurantiacus	Streptomyces griseoaurantiacus M045
2132	singleton	2540341180	Candidatus Acetothermum autotrophicum	Candidatus Acetothermum autotrophicum
2133	singleton	2513237340	Cupriavidus basilensis	Cupriavidus basilensis OR16
2134	singleton	649989952	Gemella moribillum	Gemella moribillum M424
2135	singleton	2522125097	Rhodanobacter sp.	Rhodanobacter sp. OR444
2136	singleton	648028018	Clostridium saccharolyticum	Clostridium saccharolyticum WM1, DSM 2544
2137	singleton	2554235288	Mycobacterium sp.	Mycobacterium sp. UM_WWVY
2138	singleton	643886041	Providencia rettgeri	Providencia rettgeri DSM 1131
2139	singleton	2547132305	Acinetobacter parvus	Acinetobacter parvus NIPH 384, DSM 16617
2140	singleton	2523231064	Algoriphagus terrigena	Algoriphagus terrigena DSM 22685
2141	singleton	2509887033	Sediminibacterium sp.	Sediminibacterium sp. OR43
2142	singleton	2545824524	Listeria monocytogenes	Listeria monocytogenes FSL J1-208
2143	singleton	643886055	Anaerococcus tetradius	Anaerococcus tetradius ATCC 35098
2144	singleton	640069314	Hyperthermus butylicus	Hyperthermus butylicus DSM 5456
2145	singleton	637000196	Nitrosomonas eutropha	Nitrosomonas eutropha C91
2146	singleton	643886110	Catenibacterium mitsuokai	Catenibacterium mitsuokai DSM 15897
2147	singleton	2508501123	Mesorhizobium sp.	Mesorhizobium sp. WSM3626
2148	singleton	2519103186	Methanothermococcus thermolithotrophicus	Methanothermococcus thermolithotrophicus DSM 2095
2149	singleton	2523533579	Microbacterium luticocti	Microbacterium luticocti DSM 19459
2150	singleton	2508501042	Bradyrhizobium sp.	Bradyrhizobium sp. WSM1253
2151	singleton	651324001	Acetobacter tropicalis	Acetobacter tropicalis NBRC 101654
2152	singleton	2522125168	Dyadobacter beijingenensis	Dyadobacter beijingenensis DSM 21582
2153	singleton	2540341033	Rhodopirellula sallentina	Rhodopirellula sallentina SM41
2154	singleton	2515154158	Gracilimonas tropica	Gracilimonas tropica DSM 19535
2155	singleton	641522632	Heliobacterium modesticaldum	Heliobacterium modesticaldum Ice1
2156	singleton	649633037	Desulfovibrio aespoensis	Desulfovibrio aespoensis Aspo-2, DSM 10631
2157	singleton	649633028	Candidatus Blochmannia vafer	Candidatus Blochmannia vafer BVAF
2158	singleton	2524023235	unclassified	Acidobacteria bacterium SCGC AAA007-K08
2159	singleton	648276716	Prevotella marshii	Prevotella marshii DSM 16973
2160	singleton	2265129013	unclassified	Gracilibacteria bacterium JGI 0000069-P22 (CrabSpa_001_278)
2161	singleton	2511231022	Pseudomonas sp.	Pseudomonas sp. GM79
2162	singleton	2551306517	unclassified	endosymbiont of Bathymodiolus sp.
2163	singleton	2513237363	Streptococcus sp.	Streptococcus sp. SK140, HPA1
2164	singleton	648028015	Candidatus Zinderia insecticola	Candidatus Zinderia insecticola CARI
2165	singleton	2534682138	Actinomyces cardiffensis	Actinomyces cardiffensis F0333
2166	singleton	2506520039	Methanoterris formicicus	Methanoterris formicicus Mc-S-70
2167	singleton	2522125153	unclassified	delta proteobacterium JGI 0002000-E07
2168	singleton	643886198	Neisseria flavescens	Neisseria flavescens NRL30031/H210
2169	singleton	2551306581	Helicobacter pylori	Helicobacter pylori UM045
2170	singleton	2554235157	Amycolatopsis orientalis	Amycolatopsis orientalis DSM 46075
2171	singleton	2519899771	Actinobacillus capsulatus	Actinobacillus capsulatus DSM 19761
2172	singleton	2551306557	Idiomarina sp.	Idiomarina sp. 28-8
2173	singleton	648276636	Desulfovibrio fructosovorans	Desulfovibrio fructosovorans JJ
2174	singleton	2554235015	Desulfobulbus sp.	Desulfobulbus sp. Dsb5
2175	singleton	2511231202	Brachyspira intermedia	Brachyspira intermedia PWS/A
2176	singleton	2540341223	Entomoplasma lucivorax	Entomoplasma lucivorax ATCC 49196
2177	singleton	2264867209	unclassified	Atribacteria bacterium SCGC AB-164-M20 (SAK_001_218)
2178	singleton	2531839201	Methylobacterium mesophilicum	Methylobacterium mesophilicum SR1.6/6
2179	singleton	2511231171	Staphylococcus aureus	Staphylococcus aureus aureus MSHR1132
2180	singleton	648028049	Pantoea vagans	Pantoea vagans C9-1
2181	singleton	2523533526	Thiomonas sp.	Thiomonas sp. FB-6, DSM 25805
2182	singleton	638341245	unclassified	delta proteobacterium sp. MLMS-1
2183	singleton	2512047070	Sporosarcina newyorkensis	Sporosarcina newyorkensis 2681
2184	singleton	649633013	Bacteroides salanitronis	Bacteroides salanitronis BL78, DSM 18170
2185	singleton	651324101	Streptococcus infantis	Streptococcus infantis SK1076
2186	singleton	2548877015	Actinomyces timonensis	Actinomyces timonensis 7400942, CCUG 55928
2187	singleton	651324006	Actinomyces sp.	Actinomyces sp. oral taxon 448 F0400
2188	singleton	2545824511	unclassified	candidate division TM6 bacterium JCVI TM6SC1 (Phylum TM6)
2189	singleton	2541047558	Mariniradius saccharolyticus	Mariniradius saccharolyticus AK6
2190	singleton	2523231056	Atopobium fossor	Atopobium fossor DSM 15642
2191	singleton	644736353	Desulfovibrio salexigens	Desulfovibrio salexigens DSM 2638
2192	singleton	2551306082	Sphingobium xenophagum	Sphingobium xenophagum QYY
2193	singleton	2524023192	Pontibacillus marinus	Pontibacillus marinus DSM 16465
2194	singleton	2529292816	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 326 F0382
2195	singleton	2519899778	Pseudomonas stutzeri	Pseudomonas stutzeri JM3000, DSM 10701
2196	singleton	2509276059	Flexibacter litoralis	Flexibacter litoralis Fx I1, DSM 6794
2197	singleton	2513237391	Prevotella histicola	Prevotella histicola F0411
2198	singleton	2503754015	Desulfovibrio sp.	Desulfovibrio sp. ND132 (Final JGI assembly)
2199	singleton	2509601020	Rikenella microfusus	Rikenella microfusus Q-1, DSM 15922
2200	singleton	2515154162	Legionella shakespearei	Legionella shakespearei DSM 23087
2201	singleton	2524023143	Alicyclobacillus contaminans	Alicyclobacillus contaminans DSM 17975
2202	singleton	2517487019	Methylosarcina fibrata	Methylosarcina fibrata AML-C10
2203	singleton	2534682027	Ralstonia sp.	Ralstonia sp. PBA
2204	singleton	2548876797	Leucobacter chromiirestis	Leucobacter chromiirestis JG 31
2205	singleton	641228508	Shewanella pealeana	Shewanella pealeana ANG-SQ1, ATCC 700345
2206	singleton	2551306382	Bartonella queenslandensis	Bartonella queenslandensis AUST/NH15
2207	singleton	637000204	Pelobacter carbinolicus	Pelobacter carbinolicus DSM 2380

2208	singleton	2547132140	Paenibacillus peoriae	Paenibacillus peoriae KCTC 3763
2209	singleton	2505679031	Rubrobacter radiotolerans	Rubrobacter radiotolerans DSM 5868
2210	singleton	651324094	Psychrobacter sp.	Psychrobacter sp. 1501
2211	singleton	2522125002	Pedobacter unclassified	Pedobacter_Hanford_SCG M17 (Hanford SCG M17)
2212	singleton	2551306363	Pseudoalteromonas rutenica	Pseudoalteromonas rutenica CP76
2213	singleton	2551306143	Streptomyces sp.	Streptomyces sp. SS
2214	singleton	2540341200	Rhizobium larrymoorei	Rhizobium larrymoorei ATCC 51759
2215	singleton	2523533545	Pseudomonas vranovensis	Pseudomonas vranovensis DSM 16006
2216	singleton	2545824761	Winogradskyella psychrotolerans	Winogradskyella psychrotolerans RS-3
2217	singleton	2236347005	unclassified	alpha proteobacterium SCGC AAA160-J14
2218	singleton	2547132178	Brachybacterium muris	Brachybacterium muris UCD-AY4
2219	singleton	2554235389	unclassified	Ectothiorhodospiraceae bacterium M19-40
2220	singleton	649633029	Candidatus Liberibacter solanacearum	Candidatus Liberibacter solanacearum ClSo-ZC1
2221	singleton	2531839142	Leuconostoc pseudomesenteroides	Leuconostoc pseudomesenteroides 4882
2222	singleton	637000155	Magnetospirillum magneticum	Magnetospirillum magneticum AMB-1
2223	singleton	2537561962	Haemophilus parahaemolyticus	Haemophilus parahaemolyticus HK385, NCTC 8479
2224	singleton	2545824643	Rhizobium tropici	Rhizobium tropici PRF 81
2225	singleton	649633082	Pedobacter saltans	Pedobacter saltans Steyn 113, DSM 12145
2226	singleton	2528311034	Salinispora pacifica	Salinispora pacifica CNY202
2227	singleton	2524614724	Hymenobacter norwichensis	Hymenobacter norwichensis DSM 15439
2228	singleton	2515154079	Martellella mediterranea	Martellella mediterranea DSM 17316
2229	singleton	2516653082	Fischerella sp.	Fischerella sp. PCC 9339
2230	singleton	644736400	Ralstonia pickettii	Ralstonia pickettii 12D
2231	singleton	2551306355	Alistipes sp.	Alistipes sp. AP11
2232	singleton	649633078	Odoribacter splanchnicus	Odoribacter splanchnicus 1651/6, DSM 20712
2233	singleton	2528311141	Leptospira fainei	Leptospira fainei sv. Hurstbridge BUT 6
2234	singleton	2524023074	unclassified	Betaproteobacteria bacterium AB-661-E13
2235	singleton	2522572192	Streptomyces flavidovirens	Streptomyces flavidovirens DSM 40150
2236	singleton	640963032	Planctomyces maris	Planctomyces maris DSM 8797
2237	singleton	2519103012	Deinococcus apachensis	Deinococcus apachensis DSM 19763
2238	singleton	2545824783	Sulfurimonas sp.	Sulfurimonas sp. AST-10
2239	singleton	2505679062	Schmidhempelia bombi	Candidatus Schmidhempelia bombi Bimp
2240	singleton	637000072	Chlorobium chlorochromatii	Chlorobium chlorochromatii CaD3
2241	singleton	2540341139	Pseudomonas denitrificans	Pseudomonas denitrificans ATCC 13867
2242	singleton	2503198011	Bdellovibrio bacteriovorus	Bdellovibrio bacteriovorus W
2243	singleton	643348508	Anoxybacillus flavithermus	Anoxybacillus flavithermus WK1, DSM 2641
2244	singleton	2506520053	Oceanimonas doudoroffii	Oceanimonas doudoroffii
2245	singleton	644736340	Chitinophaga pinensis	Chitinophaga pinensis UQM 2034, DSM 2588
2246	singleton	2510065048	Clostridium sp.	Clostridium sp. URNW (Scaffolds with Merged Contigs)
2247	singleton	2517572023	Ensifer fredii	Ensifer fredii HH103
2248	singleton	2554235029	Nocardiopsis valliformis	Nocardiopsis valliformis DSM 45023
2249	singleton	651324048	unclassified	Lachnospiraceae bacterium 2_1_46FAA
2250	singleton	2517572001	Rothia mucilaginosa	Rothia mucilaginosa Lim (High quality draft)
2251	singleton	637000123	Granulibacter thesedensis	Granulibacter thesedensis CGDNIH1
2252	singleton	640427149	Prochlorococcus sp.	Prochlorococcus sp. WH 7803
2253	singleton	2531839681	Enterobacter radicincitans	Enterobacter radicincitans DSM 16656
2254	singleton	2264867183	unclassified	Aminicenantes bacterium SCGC AAA252-I14 (SAK_001_54)
2255	singleton	2524023141	Bifidobacterium tsurumiense	Bifidobacterium tsurumiense DSM 17777
2256	singleton	641522601	Acholeplasma laidlawii	Acholeplasma laidlawii PG-8A
2257	singleton	2524023148	Solirubrobacter soli	Solirubrobacter soli DSM 22325
2258	singleton	648276721	unclassified	Ruminococcaceae bacterium D16
2259	singleton	2501533205	Dethiosulfobivrio peptidovorans	Dethiosulfobivrio peptidovorans SEBR 4207, DSM 11002
2260	singleton	2264867263	unclassified	Cloacimonetes bacterium JGI 0000059-P11 (TABiofilm_001_174)
2261	singleton	2509601019	Desulfomonile tiedjei	Desulfomonile tiedjei DCB-1, DSM 6799
2262	singleton	2515154195	Streptococcus thoralensis	Streptococcus thoralensis DSM 12221
2263	singleton	2511231043	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique SAR11 HTCC8051
2264	singleton	2547132162	Moritella dasanensis	Moritella dasanensis ArB 0140
2265	singleton	2522572179	Marinobacterium litorale	Marinobacterium litorale DSM 23545
2266	singleton	2524614691	Butyrivibrio sp.	Butyrivibrio sp. VCD2006
2267	singleton	649989976	Neisseria mucosa	Neisseria mucosa C102
2268	singleton	641228476	Azorhizobium caulinodans	Azorhizobium caulinodans ORS 571
2269	singleton	2541047153	Leptospira broomii	Leptospira broomii 5399
2270	singleton	2503283017	Candidatus Pelagibacter sp.	Candidatus Pelagibacter sp. HTCC7211
2271	singleton	2531839189	Glaciecola lipolytica	Glaciecola lipolytica E3
2272	singleton	2528311056	unclassified	Firmicutes bacterium SCGC AC-310-E10
2273	singleton	2524614703	unclassified	Lachnospiraceae bacterium NK4A144
2274	singleton	2534682367	Clostridium saccharobutylicum	Clostridium saccharobutylicum NCP 262, DSM 13864
2275	singleton	2524023244	Pontibacillus halophilus	Pontibacillus halophilus DSM 19796
2276	singleton	2507149024	Desulfitobacterium metallireducens	Desulfitobacterium metallireducens 853-15A, DSM 15288
2277	singleton	2524614730	Streptomyces sp.	Streptomyces sp. Amel2xC10
2278	singleton	2524614623	Eudoraea uncultured	Eudoraea sp. SCGC 5353
2279	singleton	2517093007	Frankia sp.	Frankia sp. BMG5.12
2280	singleton	2513237318	Prevotella stercorea	Prevotella stercorea DSM 18206
2281	singleton	638341135	Nitrococcus mobilis	Nitrococcus mobilis Nb-231
2282	singleton	645058728	Streptomyces griseoflavus	Streptomyces griseoflavus Tu4000
2283	singleton	2513237381	unclassified	Flavobacteriaceae bacterium S85
2284	singleton	2517572167	Streptomyces sp.	Streptomyces sp. CNT372
2285	singleton	2264867098	unclassified	Cloacimonetes bacterium SCGC AAA255-B16 (SAK_001_121)
2286	singleton	2528768164	unclassified	zeta proteobacterium SCGC AB-137-L23
2287	singleton	2264867166	unclassified	Aminicenantes bacterium SCGC AAA255-E10 (SAK_001_126)
2288	singleton	640963034	Erythrobacter sp.	Erythrobacter sp, SD-21
2289	singleton	2524614571	Idiomarina sediminum	Idiomarina sediminum DSM 21906

2290	singleton	649633106	Variovorax paradoxus	Variovorax paradoxus EPS
2291	singleton	2519899634	Fusobacterium russii	Fusobacterium russii ATCC 25533
2292	singleton	2512047062	unclassified	Megasphaera genomsp. UPII 135-E
2293	singleton	2511231104	unclassified	gamma proteobacterium sp. HdN1
2294	singleton	2528768129	Variovorax sp.	Variovorax sp. JGI 0001013-M04 (contamination screened)
2295	singleton	2526164510	Veillonella montpellierensis	Veillonella montpellierensis DSM 17217
2296	singleton	2517572214	Arthrobacter sp.	Arthrobacter sp. 162MFSha1.1
2297	singleton	2528311086	unclassified	Firmicutes bacterium SCGC AC-310-F16
2298	singleton	643886151	Neisseria cinerea	Neisseria cinerea ATCC 14685
2299	singleton	647000344	Vibrio sp.	Vibrio sp. RC586
2300	singleton	2554235483	Natrialba asiatica	Natrialba asiatica DSM 12278
2301	singleton	2540341155	Anabaena sp.	Anabaena sp. 90
2302	singleton	638341247	unclassified	Marine gamma proteobacterium sp. HTCC2207
2303	singleton	650377951	Helicobacter pylori	Helicobacter pylori Lithuania75
2304	singleton	2511231116	Tetragenococcus halophilus	Tetragenococcus halophilus NBRC 12172
2305	singleton	650716057	Microbacterium testaceum	Microbacterium testaceum StLB037
2306	singleton	2502171155	unclassified	Sulfurospirillum sp. Am-N (draft)
2307	singleton	651324010	Bacteroides clarus	Bacteroides clarus YIT 12056
2308	singleton	2528768048	Burkholderia sp.	Burkholderia sp. JGI 0001021-N20 (contamination screened)
2309	singleton	254555828	Aciduliprofundum boonei	Aciduliprofundum boonei T469
2310	singleton	2551306539	Halomonas smyrnensis	Halomonas smyrnensis AAD6
2311	singleton	2541046990	Nocardioides sp.	Nocardioides sp. CF8
2312	singleton	2547132132	Aeromicrobium massiliense	Aeromicrobium massiliense JC14
2313	singleton	2522572051	Coprothermobacter platensis	Coprothermobacter platensis DSM 11748
2314	singleton	2541047026	Leptospira inadai	Leptospira inadai sv. Lyme 10
2315	singleton	648028030	Halomonas elongata	Halomonas elongata DSM 2581
2316	singleton	2519103191	Metascardovia criceti	Metascardovia criceti DSM 17774
2317	singleton	645058770	Actinobacillus minor	Actinobacillus minor NM305
2318	singleton	2554235043	Cupriavidus sp.	Cupriavidus sp. WS
2319	singleton	2519899709	Delftia sp.	Delftia sp. JGI 0001021-J09
2320	singleton	2537561797	Turicella otitidis	Turicella otitidis ATCC 51513
2321	singleton	2519899536	Pseudomonas putida	Pseudomonas putida UW4
2322	singleton	2534681986	Streptococcus mitis	Streptococcus mitis SK1073
2323	singleton	2517572120	Bacteroides barnesiae	Bacteroides barnesiae DSM 18169
2324	singleton	637000087	Cytophaga hutchinsonii	Cytophaga hutchinsonii ATCC 33406
2325	singleton	646206254	Fusobacterium mortiferum	Fusobacterium mortiferum ATCC 9817
2326	singleton	2506783010	Leptonema illini	Leptonema illini 3055, DSM 21528
2327	singleton	2264867005	unclassified	Parcubacteria bacterium SCGC AAA040-L21 (CrabSpa_001_179)
2328	singleton	254555858	Shewanella colwelliana	Shewanella colwelliana ATCC 39565
2329	singleton	2513237361	Escherichia sp.	Escherichia sp. TW09308
2330	singleton	2515154091	Spirochaeta alkalica	Spirochaeta alkalica DSM 8900
2331	singleton	2524614715	Butyrivibrio sp.	Butyrivibrio sp. XPD2006
2332	singleton	637000304	Streptomyces avermitilis	Streptomyces avermitilis MA-4680
2333	singleton	2551306129	Yersinia massiliensis	Yersinia massiliensis CCUG 53443
2334	singleton	2519899632	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJT
2335	singleton	2508501112	Bordetella petrii	Bordetella petrii J51
2336	singleton	640612200	Bacillus sp.	Bacillus sp. B14905
2337	singleton	646564563	Rhodobacter capsulatus	Rhodobacter capsulatus SB1003
2338	singleton	2522572168	Mycobacterium phlei	Mycobacterium phlei RIVM601174
2339	singleton	2513237307	Mycoplasma iowae	Mycoplasma iowae 695, ATCC 33552
2340	singleton	2523533621	Duganella violaceinigra	Duganella violaceinigra DSM 15887
2341	singleton	2519899654	Arthrobacter sp.	Arthrobacter sp. 49Tsu3.1M3
2342	singleton	2516143008	Amycolatopsis alba	Amycolatopsis alba DSM 44262
2343	singleton	637000334	Vibrio fischeri	Vibrio fischeri ES114
2344	singleton	2531839533	Veillonella parvula	Veillonella parvula ACS-068-V-Sch12
2345	singleton	2522572163	unclassified	Euryarchaeota archaeon SCGC AAA286-E23
2346	singleton	2545824658	Enterococcus asini	Enterococcus asini ATCC 700915
2347	singleton	641228483	Caldivirga maquilingensis	Caldivirga maquilingensis IC-167
2348	singleton	2528768052	Burkholderia sp.	Burkholderia sp. JGI 001012-B17 (contamination screened)
2349	singleton	2548876999	Staphylococcus vitulinus	Staphylococcus vitulinus F1028
2350	singleton	2264867143	unclassified	Armatimonadetes bacterium JGI 0000077-K19 (TABiofilm_001_240)
2351	singleton	2547132168	Bacillus massiliaoorexius	Bacillus massiliaoorexius AP8
2352	singleton	647000278	Mycobacterium parascrofulaceum	Mycobacterium parascrofulaceum ATCC BAA-614
2353	singleton	2541047295	Clostridium sp.	Clostridium difficile CD160
2354	singleton	2524614636	Bacillus panaciterrae	Bacillus panaciterrae DSM 19096
2355	singleton	2522125085	Amycolatopsis sp.	Amycolatopsis sp. JGI 0001011-P16
2356	singleton	647533197	Prevotella sp.	Prevotella sp. F0039
2357	singleton	2531839338	Selenomonas sp.	Selenomonas sp. F0473
2358	singleton	2524023070	Aequorivita capsosiphonis	Aequorivita capsosiphonis DSM 23843
2359	singleton	2501651206	Psychromonas sp.	Psychromonas sp. CNPT3
2360	singleton	2517572149	unclassified	Micromonospora sp. CNB394
2361	singleton	642979351	Bacteroides plebeius	Bacteroides plebeius M12, DSM 17135
2362	singleton	650716011	Blattabacterium sp.	Blattabacterium sp. Bge
2363	singleton	254555807	unclassified	Bacteroidetes bacterium SCGC AAA027-G08
2364	singleton	639633065	Verminephrobacter eiseniae	Verminephrobacter eiseniae EF01-2
2365	singleton	647533230	Stenotrophomonas sp.	Stenotrophomonas sp. SKA14
2366	singleton	2524614854	Psychriyobacter atlanticus	Psychriyobacter atlanticus DSM 19335
2367	singleton	649633039	Desulfurobacterium thermolithotrophum	Desulfurobacterium thermolithotrophum BSA, DSM 11699
2368	singleton	2531839283	Myxococcus sp.	Myxococcus sp.
2369	singleton	2519899648	Nocardioides sp.	Nocardioides sp. Iso805N
2370	singleton	2524614880	Streptococcus pleomorphus	Streptococcus pleomorphus DSM 20574
2371	singleton	2513237313	Prevotella sp.	Prevotella sp. F0323

2372	singleton	2522125135	Streptomyces sp.	Streptomyces sp. WMMB 322
2373	singleton	2547132213	Citrobacter freundii	Citrobacter freundii ballerup 7851
2374	singleton	647000209	Anaerobaculum sp.	Anaerobaculum hydrogeniformans OS1, ATCC BAA-1850
2375	singleton	2503982047	Anabaena cylindrica	Anabaena cylindrica PCC 7122
2376	singleton	2511231187	Thermus sp.	Thermus sp. CCB_US3_UF1
2377	singleton	642555141	Mycoplasma arthritidis	Mycoplasma arthritidis 158L3-1
2378	singleton	2519899603	Catellibacterium marimammalium	Catellibacterium marimammalium M35/04/3
2379	singleton	2515154029	Corynebacterium doosanense	Corynebacterium doosanense DSM 45436
2380	singleton	2507262012	Synechococcus sp.	Synechococcus sp. KORDI-52 (genome sequencing)
2381	singleton	2528768077	Massilia sp.	Massilia sp. JGI 0001003-B08 (contamination screened)
2382	singleton	2554235287	Mycobacterium sp.	Mycobacterium sp. UM_RHS
2383	singleton	648028040	Methanoplanus petrolearius	Methanoplanus petrolearius SEBR 4847, DSM 11571
2384	singleton	646311952	Sebalidella termitidis	Sebalidella termitidis ATCC 33386
2385	singleton	2524614631	Desulfotomobacterium inopinatus	Desulfotomobacterium inopinatus DSM 10711
2386	singleton	2515154022	Oligella urethralis	Oligella urethralis DSM 7531
2387	singleton	2517287026	Actinopolyspora halophila	Actinopolyspora halophila DSM 43834
2388	singleton	2548877022	Bacillus siamensis	Bacillus siamensis KCTC 13613
2389	singleton	2506783051	unclassified	halophilic archaeon True-ADL
2390	singleton	2545555864	Mycobacterium genavense	Mycobacterium genavense ATCC 51234
2391	singleton	2523533537	Novosphingobium acidiphilum	Novosphingobium acidiphilum DSM 19966
2392	singleton	647533208	Ruegeria lacuscaerulensis	Ruegeria lacuscaerulensis ITI-1157
2393	singleton	2523231069	Propionibacterium thoenii	Propionibacterium thoenii DSM 20276
2394	singleton	2524023208	Rathayibacter toxicus	Rathayibacter toxicus DSM 7488
2395	singleton	637000045	Buchnera aphidicola	Buchnera aphidicola Sg
2396	singleton	2554235473	Halorubrum coriense	Halorubrum coriense DSM 10284
2397	singleton	2551306538	unclassified	Azospirillum sp. B506
2398	singleton	2264867241	unclassified	Marinimicrobia bacterium SCGC AAA003-L8 (Tropical gyre_001_269)
2399	singleton	2521172661	Paenibacillus ginsengihumi	Paenibacillus ginsengihumi DSM 21568
2400	singleton	646564502	Allochromatium vinosum	Allochromatium vinosum DSM 180
2401	singleton	2264867075	unclassified	Fervidibacteria bacterium JGI 0000001-D5 (GBS-A_001_115)
2402	singleton	2513237147	Mesorhizobium loti	Mesorhizobium loti USDA 3471
2403	singleton	2554235502	Natrinema versiforme	Natrinema versiforme JCM 10478
2404	singleton	2554235495	Halococcus saccharolyticus	Halococcus saccharolyticus DSM 5350
2405	singleton	2518285562	Salinispora pacifica	Salinispora pacifica CNS055
2406	singleton	2547132154	Cellulomonas massiliensis	Cellulomonas massiliensis JC225
2407	singleton	649633034	Deinococcus maricopensis	Deinococcus maricopensis LB-34, DSM 21211
2408	singleton	2511231156	Pseudomonas fluorescens	Pseudomonas fluorescens F113
2409	singleton	642555123	Chloroherpeton thalassium	Chloroherpeton thalassium ATCC 35110
2410	singleton	2524614865	Paracoccus zeaxanthinifaciens	Paracoccus zeaxanthinifaciens ATCC 21588
2411	singleton	2264867250	unclassified	WS1 bacterium JGI 0000059-K21 (TABiofilm_001_168)
2412	singleton	648028021	Cyanotheca sp.	Cyanotheca sp. PCC 7822
2413	singleton	2528768069	unclassified	Chloroflexi bacterium JGI 0001029-B04 (contamination screened)
2414	singleton	2508501120	Marinitoga piezophila	Marinitoga piezophila KA3
2415	singleton	2513237278	Flavobacterium frigidum	Flavobacterium frigidum PS1
2416	singleton	637000005	Alkalilimnicola ehrlichei	Alkalilimnicola ehrlichei MLHE-1
2417	singleton	2513237357	Helcococcus kunzii	Helcococcus kunzii ATCC 51366
2418	singleton	647000302	Pyramidobacter piscicola	Pyramidobacter piscicola W5455
2419	singleton	2524614628	Eudoraea uncultured	Eudoraea sp. SCGC 5291
2420	singleton	2523231044	Gordonia rhizosphaera	Gordonia rhizosphaera NBRC 16068
2421	singleton	2531839185	Glaciecola polaris	Glaciecola polaris LMG 21857
2422	singleton	643348562	Macrocooccus caseolyticus	Macrocooccus caseolyticus JCSC5402
2423	singleton	2534681648	Bacillus methanolicus	Bacillus methanolicus MGA3
2424	singleton	2547132197	Acidovorax sp.	Acidovorax sp. MR-S7
2425	singleton	647533126	Cyanobium sp.	Cyanobium sp. PCC 7001
2426	singleton	2506485001	Emticia oligotrophica	Emticia oligotrophica GPTSA100-15, DSM 17448
2427	singleton	2518645588	Methylophilus methylotrophus	Methylophilus methylotrophus ATCC 53528
2428	singleton	2506381019	Frankia sp.	Frankia sp. EUN1f
2429	singleton	2513237187	Helicobacter cetorum	Helicobacter cetorum MIT 00-7128
2430	singleton	2508501002	Desulfotomaculum gibsoniae	Desulfotomaculum gibsoniae Groll, DSM 7213
2431	singleton	2548876981	Pseudomonas sp.	Pseudomonas sp. R81
2432	singleton	648028054	Starkeya novella	Starkeya novella DSM 506
2433	singleton	2551306680	Nocardiopsis kunsanensis	Nocardiopsis kunsanensis DSM 44524
2434	singleton	640753009	Campylobacter concisus	Campylobacter concisus 13826
2435	singleton	645951824	Actinomyces sp.	Actinomyces sp. oral taxon 848 F0332
2436	singleton	2513237297	Ornithinibacillus sp.	Ornithinibacillus sp. TW25
2437	singleton	2528768194	unclassified	Ignavibacteriaceae bacterium SCGC AC-197-M14
2438	singleton	2523533613	Streptococcus castoreus	Streptococcus castoreus DSM 17536
2439	singleton	2514885045	Gordonia otitidis	Gordonia otitidis NBRC 100426
2440	singleton	650716100	Treponema brennaborensis	Treponema brennaborensis DD5/3, DSM 12168
2441	singleton	2228664029	unclassified	gamma proteobacterium SCGC AAA300-D14
2442	singleton	638341184	Roseovarius sp.	Roseovarius sp. 217
2443	singleton	2523231062	Geothrix fermentans	Geothrix fermentans DSM 14018
2444	singleton	639633025	Gramella forsetii	Gramella forsetii KT0803
2445	singleton	2554235491	Halococcus thailandensis	Halococcus thailandensis JCM 13552
2446	singleton	2513237280	Odoribacter laneus	Odoribacter laneus YIT 12061
2447	singleton	2551306415	Staphylococcus sp.	Staphylococcus sp. E463
2448	singleton	2516653079	Haloglycomyces albus	Haloglycomyces albus DSM 45210
2449	singleton	2513237090	Mesorhizobium sp.	Mesorhizobium sp. WSM3224
2450	singleton	2537561813	Patulibacter sp.	Patulibacter sp. 111
2451	singleton	2548876842	Actinomyces sp.	Actinomyces sp. ph3
2452	singleton	650377966	Ruminococcus bromii	Ruminococcus bromii L2-63
2453	singleton	2508501005	Acidovorax temperans	Acidovorax temperans CB2 (Finished +Insert)

2454	singleton	637000221	<i>Pseudomonas fluorescens</i>	<i>Pseudomonas fluorescens</i> Pf0-1
2455	singleton	2556793019	unclassified	<i>Acidobacteria bacterium</i> KBS 146
2456	singleton	637000198	<i>Nocardia farcinica</i>	<i>Nocardia farcinica</i> IFM 10152
2457	singleton	2551306667	<i>Streptomyces bottropensis</i>	<i>Streptomyces bottropensis</i> ATCC 25435
2458	singleton	2534681942	<i>Mycobacterium vaccae</i>	<i>Mycobacterium vaccae</i> RIVM
2459	singleton	2264867240	unclassified	<i>Marinimicrobia bacterium</i> SCGC AAA003-E22 (Tropical gyre_001_268)
2460	singleton	638154507	<i>Methanopyrus kandleri</i>	<i>Methanopyrus kandleri</i> AV19
2461	singleton	2504557015	<i>Flavobacterium</i> sp.	<i>Flavobacterium</i> sp GOBB3-C103-3
2462	singleton	2519899621	<i>Nitrolanceus hollandicus</i>	<i>Nitrolanceus hollandicus</i> Lb
2463	singleton	2264813000	<i>Mastigocoleus testarum</i>	<i>Mastigocoleus testarum</i> BC008
2464	singleton	2504136002	<i>Archaeoglobus veneficus</i>	<i>Archaeoglobus veneficus</i> SNP6, DSM 11195
2465	singleton	2551306677	<i>Nocardiopsis alkaliphila</i>	<i>Nocardiopsis alkaliphila</i> YIM 80379
2466	singleton	2517572101	<i>Frankia</i> sp.	<i>Frankia</i> sp. DC12
2467	singleton	2524614643	<i>Zooshikella ganghwensis</i>	<i>Zooshikella ganghwensis</i> DSM 15267
2468	singleton	2519899688	<i>Leeia oryzae</i>	<i>Leeia oryzae</i> DSM 17879
2469	singleton	647533184	<i>Microcoleus chthonoplastes</i>	<i>Microcoleus chthonoplastes</i> PCC 7420
2470	singleton	2517093019	<i>Synechococcus</i> sp.	<i>Synechococcus</i> sp. CC9616
2471	singleton	2516493005	<i>Bacillus</i> sp.	<i>Bacillus</i> sp. 37MA
2472	singleton	2511231077	<i>Filifactor aloicis</i>	<i>Filifactor aloicis</i> ATCC 35896
2473	singleton	2541048004	<i>Bacteroides tectus</i>	<i>Bacteroides tectus</i> F0041
2474	singleton	2507262045	unclassified	<i>Flavobacteria bacterium</i> MS190-1F
2475	singleton	2511231098	<i>Listeria ivanovii</i>	<i>Listeria ivanovii ivanovii</i> PAM 55
2476	singleton	2140918011	unclassified	<i>bacterium</i> JAD2 (Draft Genome)
2477	singleton	2518645621	<i>Zymophilus raffinosivorans</i>	<i>Zymophilus raffinosivorans</i> DSM 20765
2478	singleton	639857006	<i>Synechococcus</i> sp.	<i>Synechococcus</i> sp. BL107
2479	singleton	2264867150	unclassified	<i>Microgenomates bacterium</i> SCGC AAA011-M05 (DUSEL_001_196)
2480	singleton	640427134	<i>Psychrobacter</i> sp.	<i>Psychrobacter</i> sp. PRwf-1
2481	singleton	650716080	<i>Pyrococcus yayanosii</i>	<i>Pyrococcus yayanosii</i> CH1
2482	singleton	2551306660	<i>Bacillus</i> sp.	<i>Bacillus</i> sp. L1(2012)
2483	singleton	2521172676	<i>Salinicoccus carniancra</i>	<i>Salinicoccus carniancra</i> Crm
2484	singleton	2523533603	unclassified	<i>delta proteobacterium</i> PSCGC 5345
2485	singleton	650716034	<i>Eggerthella</i> sp.	<i>Eggerthella</i> sp. YY7918
2486	singleton	2228664044	unclassified	<i>Verrucomicrobia bacterium</i> SCGC AAA164-I21
2487	singleton	637000165	<i>Methylobacillus flagellatus</i>	<i>Methylobacillus flagellatus</i> KT
2488	singleton	2527291526	unclassified	<i>Marinimicrobia bacterium</i> JGI 000039-D08 (Combined_Assembly_SAR406_1_SAR406)
2489	singleton	2547132400	<i>Serinococcus marinus</i>	<i>Serinococcus marinus</i> MCCC 1A05965
2490	singleton	2547132293	<i>Neisseria lactamica</i>	<i>Neisseria lactamica</i> NS19
2491	singleton	645951833	<i>Dialister invisus</i>	<i>Dialister invisus</i> DSM 15470
2492	singleton	2508501012	<i>Saccharomonospora marina</i>	<i>Saccharomonospora marina</i> XMU15, DSM 45390
2493	singleton	2519899594	<i>Cecembia lonarensis</i>	<i>Cecembia lonarensis</i> LW9
2494	singleton	2537561950	<i>Corynebacterium durum</i>	<i>Corynebacterium durum</i> F0235
2495	singleton	2509276026	<i>Joostella marina</i>	<i>Joostella marina</i> En5, DSM 19592
2496	singleton	2264867081	unclassified	<i>Calescamantes bacterium</i> JGI 0000106-H18 (GBS-C_001_283)
2497	singleton	2264867122	unclassified	<i>Cloacimonetes bacterium</i> SCGC AAA252-P02 (SAK_001_89)
2498	singleton	2537561845	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. TJI-51
2499	singleton	2517572139	unclassified	<i>Verrucomicrobia bacterium</i> SCGC AAA164-L15 (genbank_version)
2500	singleton	644736322	<i>Acidimicrobium ferrooxidans</i>	<i>Acidimicrobium ferrooxidans</i> ICP, DSM 10331
2501	singleton	637000206	<i>Photobacterium profundum</i>	<i>Photobacterium profundum</i> S59
2502	singleton	2264867056	unclassified	<i>BRC1 bacterium</i> SCGC AAA252-M09 (SAK_001_73)
2503	singleton	2524614802	<i>Lachnospira multipara</i>	<i>Lachnospira multipara</i> ATCC 19207
2504	singleton	2541047013	<i>Streptococcus</i> sp.	<i>Streptococcus</i> sp. HPH0090
2505	singleton	2504756006	<i>Thermodesulfobium narugense</i>	<i>Thermodesulfobium narugense</i> Na82, DSM 14796
2506	singleton	642791615	<i>Clostridium sporogenes</i>	<i>Clostridium sporogenes</i> ATCC 15579
2507	singleton	2534682043	<i>Helicobacter pylori</i>	<i>Helicobacter pylori</i> NQ4161
2508	singleton	651324051	unclassified	<i>Lachnospiraceae bacterium</i> 3_1_57FAA_CT1
2509	singleton	2523533554	<i>Thermithiobacillus tepidarius</i>	<i>Thermithiobacillus tepidarius</i> DSM 3134
2510	singleton	2554235285	<i>Lysinibacillus</i> sp.	<i>Lysinibacillus sphaericus</i> KCTC 3346
2511	singleton	2524023068	unclassified	<i>Gemmatimonadetes bacterium</i> SCGC AAA007-O21
2512	singleton	642555109	<i>Borrelia turicatae</i>	<i>Borrelia turicatae</i> 91E135
2513	singleton	2531839206	<i>Thauera</i> sp.	<i>Thauera</i> sp. 63
2514	singleton	2524023175	unclassified	<i>Verrucomicrobia bacterium</i> SCGC AAA027-I19
2515	singleton	2264867239	unclassified	<i>Marinimicrobia bacterium</i> JGI 0000077-B04 (TAbiofilm_001_234)
2516	singleton	2540341063	<i>Candidatus Uzinura</i> sp.	<i>Candidatus Uzinura diaspidicola</i> ASNER
2517	singleton	2501651208	<i>Moritella</i> sp.	<i>Moritella</i> sp. PE36
2518	singleton	2508501106	<i>Mycobacterium rhodesiae</i>	<i>Mycobacterium rhodesiae</i> NBB3
2519	singleton	2519103188	<i>Paenibacillus daejeonensis</i>	<i>Paenibacillus daejeonensis</i> DSM 15491
2520	singleton	2513237287	<i>Flavonifractor plautii</i>	<i>Flavonifractor plautii</i> ATCC 29863
2521	singleton	2554235500	<i>Haloferax larsenii</i>	<i>Haloferax larsenii</i> JCM 13917
2522	singleton	2517287017	<i>Methyloversatilis</i> sp.	<i>Methyloversatilis</i> sp. RZ18-153
2523	singleton	645951840	<i>Prevotella tannerae</i>	<i>Prevotella tannerae</i> ATCC 51259
2524	singleton	641228488	<i>Deinococcus geothermalis</i>	<i>Deinococcus geothermalis</i> DSM 11300
2525	singleton	2521172719	<i>Pyrococcus</i> sp.	<i>Pyrococcus</i> sp. ST04
2526	singleton	646564573	<i>Staphylothermus hellenicus</i>	<i>Staphylothermus hellenicus</i> P8, DSM 12710
2527	singleton	2517093048	<i>Sphingomonas phyllosphaerae</i>	<i>Sphingomonas phyllosphaerae</i> 5.2
2528	singleton	2517572123	<i>Arthrobacter</i> sp.	<i>Arthrobacter</i> sp. 135MFC05.1
2529	singleton	639633035	<i>Listeria welshimeri</i>	<i>Listeria welshimeri</i> sv 6b, SLCC5334
2530	singleton	2513237175	<i>Helicobacter cetorum</i>	<i>Helicobacter cetorum</i> MIT 99-5656
2531	singleton	651324085	<i>Parvimonas</i> sp.	<i>Parvimonas</i> sp. oral taxon 110 F0139
2532	singleton	2508501105	<i>Methanoregula formicicum</i>	<i>Methanoregula formicicum</i> SMSP
2533	singleton	2515154015	<i>Actinomycetospira changmaiensis</i>	<i>Actinomycetospira changmaiensis</i> DSM 45062
2534	singleton	2537561983	<i>Streptococcus sanguinis</i>	<i>Streptococcus sanguinis</i> SK1056
2535	singleton	646564551	<i>Methylothermus versatilis</i>	<i>Methylothermus versatilis</i> 301, JCM 17579

2536	singleton	2264867137	unclassified	Parcubacteria bacterium SCGC AAA011-A08 (DUSEL_001_185)
2537	singleton	2547132042	Pseudonocardia sp.	Pseudonocardia sp. P2
2538	singleton	2529293154	Leptosira terpstrae	Leptosira terpstrae sv. Hualin LT 11-33
2539	singleton	2264867015	unclassified	zeta proteobacterium SCGC AB-602-E04
2540	singleton	2524614556	Chitinimonas koreensis	Chitinimonas koreensis DSM 17726
2541	singleton	649989993	Pseudoramibacter alactolyticus	Pseudoramibacter alactolyticus ATCC 23263
2542	singleton	2506520020	Mucilagibacter paludis	Mucilagibacter paludis TPT56, DSM 18603
2543	singleton	637000137	Jannaschia sp.	Jannaschia sp. CCS1
2544	singleton	651285004	Photobacterium leiognathi	Photobacterium leiognathi mandapamensis svers.1.1
2545	singleton	2541046969	Aminobacterium mobile	Aminobacterium mobile DSM 12262
2546	singleton	2524614531	Anaerovorax odorimutans	Anaerovorax odorimutans DSM 5092
2547	singleton	645058786	Acidovorax delafieldii	Acidovorax delafieldii 2AN
2548	singleton	2547132080	Acidovorax avenae	Acidovorax avenae avenae RS-1
2549	singleton	2554235154	Xanthomonas sp.	Xanthomonas sp. 97M
2550	singleton	2551306072	Vibrio tasmaniensis	Vibrio tasmaniensis SF-79
2551	singleton	647000200	Achromobacter piechaudii	Achromobacter piechaudii ATCC 43553
2552	singleton	648028028	Gallionella capsiferriformans	Gallionella capsiferriformans ES-2
2553	singleton	2236347015	unclassified	alpha proteobacterium SCGC AAA298-K06
2554	singleton	2554235469	Sporolactobacillus laevolacticus	Sporolactobacillus laevolacticus DSM 442
2555	singleton	2548876819	Methylocystis parvus	Methylocystis parvus OBBP
2556	singleton	2522572130	Promicromonospora sukumoe	Promicromonospora sukumoe 327MFSHa3.1
2557	singleton	2264867198	unclassified	Aminicenantes bacterium SCGC AAA252-O19 (SAK_001_88)
2558	singleton	2228664055	unclassified	gamma proteobacterium SCGC AAA076-P13
2559	singleton	2511231109	Methanococcus maripaludis	Methanococcus maripaludis X1
2560	singleton	2551306554	Prochlorococcus sp.	Prochlorococcus sp. W8
2561	singleton	2264867203	unclassified	Atribacteria bacterium SCGC AAA255-N14 (SAK_001_136)
2562	singleton	640963038	Vibrio shilonii	Vibrio shilonii AK1
2563	singleton	2540341238	Shewanella putrefaciens	Shewanella putrefaciens HRCR-6
2564	singleton	2548876997	Pseudoalteromonas flavipulchra	Pseudoalteromonas flavipulchra JG1
2565	singleton	2512047059	Haemophilus haemolyticus	Haemophilus haemolyticus M21621
2566	singleton	649989926	Dermacoccus sp.	Dermacoccus sp. Ellin185
2567	singleton	650716103	Verrucosipora maris	Verrucosipora maris AB-18-032
2568	singleton	2508501034	Xenococcus sp.	Xenococcus sp. PCC 7305
2569	singleton	2522125099	Colwellia sp.	Colwellia sp. SCGC AC281-C05
2570	singleton	2522125106	Cycloclasticus sp.	Cycloclasticus sp. SCGC AC281-D15
2571	singleton	2506520012	Thermodesulfobacterium geofontis	Thermodesulfobacterium geofontis OPF15
2572	singleton	640963046	Dorea longicatena	Dorea longicatena DSM 13814
2573	singleton	648861014	Roseibium sp.	Roseibium sp. TrichSKD4
2574	singleton	2534681677	Aeromonas diversa	Aeromonas diversa 2478-85, CECT 4254
2575	singleton	2512564012	unclassified	cyanobacterium PCC 7702
2576	singleton	2236661003	unclassified	actinobacterium SCGC AAA027-M14
2577	singleton	641736256	Fusobacterium nucleatum	Fusobacterium nucleatum polymorphum ATCC 10953
2578	singleton	2264867213	unclassified	Atribacteria bacterium JGI 0000079-F20 (TABiofilm_001_232)
2579	singleton	2515154153	Corynebacterium pilosum	Corynebacterium pilosum DSM 20521
2580	singleton	2509276061	Pleurocapsa sp.	Pleurocapsa sp. PCC 7327
2581	singleton	2265129012	unclassified	Gracilibacteria bacterium JGI 0000069-K10 (CrabSpa_001_277)
2582	singleton	2515154051	Anaerophaga thermohalophila	Anaerophaga thermohalophila Fru22, DSM 12881
2583	singleton	642979324	Bifidobacterium gallicum	Bifidobacterium gallicum DSM 20093
2584	singleton	643886074	Veillonella dispar	Veillonella dispar ATCC 17748
2585	singleton	2513237327	Halomonas sp.	Halomonas sp. GFAJ-1
2586	singleton	2545824763	Leifsonia sp.	Leifsonia rubra CMS 76R
2587	singleton	639633020	Chlorobium phaeobacteroides	Chlorobium phaeobacteroides DSM 266
2588	singleton	2528768229	unclassified	Firmicutes bacterium SCGC AC-699-C23
2589	singleton	2504643013	Crinalium epipsammum	Crinalium epipsammum PCC 9333
2590	singleton	641522648	Shewanella halifaxensis	Shewanella halifaxensis HAW-EB4
2591	singleton	647000293	Prevotella buccalis	Prevotella buccalis ATCC 35310
2592	singleton	2264867092	unclassified	Parcubacteria bacterium SCGC AB-164-E21 (SAK_001_209)
2593	singleton	2534682143	Campylobacter concisus	Campylobacter concisus UNSWCD
2594	singleton	2534681676	Aeromonas molluscorum	Aeromonas molluscorum 848T, CECT 5864
2595	singleton	2523231036	Gordonia aichiensis	Gordonia aichiensis NBRC 108223
2596	singleton	2534682310	Lactobacillus curvatus	Lactobacillus curvatus CRL 705
2597	singleton	2528311095	unclassified	Firmicutes bacterium SCGC AC-310-G06
2598	singleton	2524614676	Geovibrio sp.	Geovibrio sp. L21-Ace-BES
2599	singleton	2537562044	Helicobacter pylori	Helicobacter pylori Hp P-30
2600	singleton	2531839709	Serratia sp.	Serratia sp. PRI-2C
2601	singleton	2264867243	unclassified	Marinimicrobia bacterium SCGC AAA298-D23
2602	singleton	2501004205	Dinoroseobacter shibae	Dinoroseobacter shibae DFL-12, DSM 16493
2603	singleton	2524614663	Nocardioides alkalitolerans	Nocardioides alkalitolerans DSM 16699
2604	singleton	2506210003	Marinomonas posidonica	Marinomonas posidonica IVIA-Po-181
2605	singleton	637000020	Bacillus halodurans	Bacillus halodurans C-125
2606	singleton	2524614568	unclassified	Kitasatospora sp. SolWspMP-SS2h
2607	singleton	2510065016	Dehalobacter restrictus	Dehalobacter restrictus DSM 9455
2608	singleton	2509276001	unclassified	Porphyra umbilicalis P.um.1-endophyte06694 (Porphyra_umbilicalis_P.um.1-endophyte06694)
2609	singleton	2534682241	Yokenella regensburgei	Yokenella regensburgei ATCC 43003
2610	singleton	2545824777	Streptomyces sp.	Streptomyces afghaniensis 772
2611	singleton	643886019	Atopobium rimae	Atopobium rimae ATCC 49626
2612	singleton	2506520049	Thiothrix nivea	Thiothrix nivea JP2, DSM 5205
2613	singleton	637000310	Prochlorococcus sp.	Prochlorococcus sp. CC9605
2614	singleton	2524614803	Propionibacterium acidifaciens	Propionibacterium acidifaciens DSM 21887
2615	singleton	2551306361	Arthrobacter sp.	Arthrobacter sp. TB 23
2616	singleton	2515154072	Prevotella paludivivens	Prevotella paludivivens DSM 17968
2617	singleton	2505679089	Cellulomonas flavigena	Cellulomonas fimi NRS 133, ATCC 484

2618	singleton	2528311066	unclassified	Nitrospirae bacterium SCGC AC-310-I22
2619	singleton	2522125004	Pedobacter unclassified	Pedobacter_Hanford_SCG M06 (Hanford SCG M06)
2620	singleton	2529292932	Barnesiella intestinihominis	Barnesiella intestinihominis YIT 11860
2621	singleton	2523533546	Melitteia salexigens	Melitteia salexigens DSM 19753
2622	singleton	643886196	Desulfonatronospira thiodismutans	Desulfonatronospira thiodismutans ASO3-1
2623	singleton	2513237261	Haemophilus sp.	Haemophilus sp. oral taxon 851 F0397
2624	singleton	2517287030	Haloplanus natans	Haloplanus natans RE 101, DSM 17983
2625	singleton	2554235507	Halosarcina pallida	Halosarcina pallida JCM 14848
2626	singleton	2531839559	Streptococcus sanguinis	Streptococcus sanguinis SK115
2627	singleton	2545824739	Acinetobacter guillouiae	Acinetobacter guillouiae MSP4-18
2628	singleton	2516493009	Labrys methylaminiphilus	Labrys methylaminiphilus JLW10
2629	singleton	650716096	Thermococcus barophilus	Thermococcus barophilus MP, DSM 11836
2630	singleton	2534681666	Imtechella halotolerans	Imtechella halotolerans K1
2631	singleton	640069316	Methanococcus maripaludis	Methanococcus maripaludis C5
2632	singleton	2509601022	unclassified	gamma proteobacterium IMCC3088
2633	singleton	643886200	Prevotella copri	Prevotella copri CB7, DSM 18205
2634	singleton	643886006	Roseburia inulinivorans	Roseburia inulinivorans DSM 16841
2635	singleton	2545824623	unclassified	Sphingomonas sp. MM-1
2636	singleton	649989971	Megasphaera micronuciformis	Megasphaera micronuciformis F0359
2637	singleton	2519103088	Bradyrhizobium sp.	Bradyrhizobium sp. ORS 375
2638	singleton	2545824678	Marinobacter nanhaiticus	Marinobacter nanhaiticus D15-8W
2639	singleton	2545824641	Cyclobacterium sp.	Cyclobacterium qasimii M12-11B
2640	singleton	646564589	Xenorhabdus bovienii	Xenorhabdus bovienii SS-2004
2641	singleton	637000184	Mycoplasma pulmonis	Mycoplasma pulmonis UAB CTIP
2642	singleton	2228664034	unclassified	Verrucomicrobia bacterium SCGC AAA300-N18
2643	singleton	2508501066	Methylocaldum szegediense	Methylocaldum szegediense O-12
2644	singleton	2528311143	Porphyromonas uenonis	Porphyromonas uenonis DSM 23387
2645	singleton	2519899601	Neisseria weaveri	Neisseria weaveri LMG 5135
2646	singleton	649633084	Propionibacterium freudenreichii	Propionibacterium freudenreichii shermanii CIRM-BIA1
2647	singleton	638341182	Roseobacter sp.	Roseobacter sp. MED193
2648	singleton	2521172622	Phaeobacter arcticus	Phaeobacter arcticus DSM 23566
2649	singleton	2503754000	unclassified	Candidatus Pelagibacter-like (SAR11) HIMB140
2650	singleton	2513237274	Johnsonella ignava	Johnsonella ignava ATCC 51276
2651	singleton	2516493021	Thermicanus aegyptius	Thermicanus aegyptius DSM 12793
2652	singleton	2522572128	Bradyrhizobium sp.	Bradyrhizobium sp. URHA0002
2653	singleton	2515154112	Bradyrhizobium canariense	Mesorhizobium sp. WSM4349
2654	singleton	2528768137	unclassified	Xanthomonadaceae bacterium JGI 0001020-F16 (contamination screened)
2655	singleton	648276735	Streptococcus mitis	Streptococcus mitis NCTC 12261
2656	singleton	2551306563	Oscillibacter ruminantium	Oscillibacter ruminantium GH1
2657	singleton	2547132190	Kocuria sp.	Kocuria sp. UCD-OTCP
2658	singleton	2537561964	Streptococcus mitis	Streptococcus mitis SK575
2659	singleton	640753056	Sulfurovum sp.	Sulfurovum sp. NBC37-1
2660	singleton	2526164513	Dysgonomonas capnocytophagoides	Dysgonomonas capnocytophagoides DSM 22835
2661	singleton	2524614693	Butyrivibrio sp.	Butyrivibrio sp. LC3010
2662	singleton	641522657	Thermoproteus neutrophilus	Thermoproteus neutrophilus V24Sta
2663	singleton	2508501125	Burkholderia sp.	Burkholderia sp. WSM2232
2664	singleton	2523231007	Myroides injenensis	Myroides injenensis M09-0166
2665	singleton	2528311045	Streptomyces sp.	Streptomyces sp. CNQ329
2666	singleton	2514885007	Prevotella nanceiensis	Prevotella nanceiensis DSM 19126
2667	singleton	2546825523	Shewanella waksmanii	Shewanella waksmanii ATCC BAA-643
2668	singleton	643886057	Corynebacterium striatum	Corynebacterium striatum ATCC 6940
2669	singleton	637000340	Wolbachia unclassified	Wolbachia endosymbiont TRS of Brugia malayi
2670	singleton	2513237161	Bradyrhizobium japonicum	Bradyrhizobium sp. WSM2793
2671	singleton	2513237155	Sedimenticola selenatireducens	Sedimenticola selenatireducens DSM 17993
2672	singleton	646206257	Helicobacter bilis	Helicobacter bilis ATCC 43879
2673	singleton	647533168	Fusobacterium sp.	Fusobacterium sp. 1_1_41FAA
2674	singleton	637000027	Bartonella henselae	Bartonella henselae Houston-1
2675	singleton	2547132101	unclassified	Sphingomonas sp. KC8
2676	singleton	2510065009	Caldisphaera lagunensis	Caldisphaera lagunensis IC-154, DSM 15908
2677	singleton	2528768206	unclassified	Bacteroidetes bacterium JGI 0000113-A17
2678	singleton	643886112	Clostridium asparagiforme	Clostridium asparagiforme DSM 15981
2679	singleton	2264867260	unclassified	Cloacimonetes bacterium JGI 0000059-F17 (TABiofilm_001_166)
2680	singleton	2523231066	Oceanospirillum maris	Oceanospirillum maris DSM 6286
2681	singleton	643886104	Oribacterium sinus	Oribacterium sinus F0268
2682	singleton	2521172697	Myxococcus stipitatus	Myxococcus stipitatus DSM 14675
2683	singleton	2537562196	Actinomyces sp.	Actinomyces sp. ICM39
2684	singleton	651324041	Haloplasma contractile	Haloplasma contractile SSD-17B
2685	singleton	2511231080	Glaciecola nitratireducens	Glaciecola nitratireducens FR1064
2686	singleton	2522125155	Terracoccus sp.	Terracoccus sp. 273MFTsu3.1
2687	singleton	2524023184	Caloramator australicus	Caloramator australicus RC3
2688	singleton	2515154131	Corynebacterium mastitidis	Corynebacterium mastitidis DSM 44356
2689	singleton	2509276017	Chelativorans sp.	Chelativorans sp. J32
2690	singleton	2531839420	Phaeosporillum molischianum	Phaeosporillum molischianum DSM 120
2691	singleton	2519899571	Caenisporillum salinarum	Caenisporillum salinarum AK4
2692	singleton	646206260	Clostridium sp.	Clostridium sp. 7_2_43FAA
2693	singleton	643886026	Bacillus cereus	Bacillus cereus Rock3-44
2694	singleton	2534681808	Haemophilus haemolyticus	Haemophilus haemolyticus M21639
2695	singleton	2523231042	Gordonia paraffinivorans	Gordonia paraffinivorans NBRC 108238
2696	singleton	2548876536	Sphingobium yanoikuyae	Sphingobium yanoikuyae XLDN2-5
2697	singleton	2517093001	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 124
2698	singleton	2554235017	Desulfobulbus sp.	Desulfobulbus sp. oral taxon 041 Dsb4
2699	singleton	2523533583	Humibacter albus	Humibacter albus DSM 18994

2700	singleton	2523231034	Sandarakinorhabdus limnophila	Sandarakinorhabdus limnophila DSM 17366
2701	singleton	2546825524	Ruminococcus flavefaciens	Ruminococcus flavefaciens ATCC 19208
2702	singleton	649633098	Syntrophobotulus glycolicus	Syntrophobotulus glycolicus FIGlyR, DSM 8271
2703	singleton	2522125084	Actinoplanes sp.	Actinoplanes sp. JGI 0001009-004
2704	singleton	2506381025	Methanoplanus limicola	Methanoplanus limicola M3, DSM 2279
2705	singleton	2541047157	Pseudoalteromonas citrea	Pseudoalteromonas citrea NCIMB 1889
2706	singleton	2519899806	Bartonella melophagi	Bartonella melophagi K-2C
2707	singleton	2551306670	Rhodopseudomonas sp.	Rhodopseudomonas sp. B29
2708	singleton	2522572186	unclassified	Lentisphaerae bacterium SCGC AAA283-D08
2709	singleton	2515154140	Kribbella catacumbae	Kribbella catacumbae DSM 19601
2710	singleton	2513237218	Ignavibacterium album	Ignavibacterium album Mat9-16, JCM 16511
2711	singleton	2511231114	Corynebacterium variabile	Corynebacterium variabile DSM 44702
2712	singleton	2503128007	unclassified	Candidate phylum OP10 2w11-1 (OP10 bacterium 2w11-1)
2713	singleton	2523533581	Curtobacterium ginsengisoli	Curtobacterium ginsengisoli DSM 22003
2714	singleton	646564509	Bacillus selenitireducens	Bacillus selenitireducens MLS10
2715	singleton	647000304	Rhodobacter sp.	Rhodobacter sp. SW2
2716	singleton	2519899699	Psychromonas ossibalaenae	Psychromonas ossibalaenae ATCC BAA-1528
2717	singleton	2531839648	Acinetobacter sp.	Acinetobacter sp. ANC 3811
2718	singleton	2541048009	Paenibacillus alvei	Paenibacillus alvei TS-15
2719	singleton	2515154027	Olivibacter sitiensis	Olivibacter sitiensis DSM 17696
2720	singleton	2508501068	Thermanaerovibrio velox	Thermanaerovibrio velox Z-9701, DSM 12556
2721	singleton	2545555869	Facklamia sourekii	Facklamia sourekii ATCC 700629
2722	singleton	2519899656	Sideroxydans unclassified	bacterium SCGC AAA018-M4
2723	singleton	2554235497	Natronorubrum sulfidifaciens	Natronorubrum sulfidifaciens JCM 14089
2724	singleton	2528768094	unclassified	Rhizobiales bacterium JGI 0001002-07 (contamination screened)
2725	singleton	2524614768	Yaniella halotolerans	Yaniella halotolerans DSM 15476
2726	singleton	647000216	Brevibacterium mcbrellneri	Brevibacterium mcbrellneri ATCC 49030
2727	singleton	645951800	Streptomyces sp.	Streptomyces sp. AA4
2728	singleton	2537561795	Streptomyces ipomoeae	Streptomyces ipomoeae 91-03
2729	singleton	637000306	Symbiobacterium thermophilum	Symbiobacterium thermophilum IAM 14863
2730	singleton	650716055	Methanothermococcus okinawensis	Methanothermococcus okinawensis IH1
2731	singleton	2547132082	Verminephrobacter sp.	Verminephrobacter sp. At4
2732	singleton	640963039	Caminibacter mediatlanticus	Caminibacter mediatlanticus TB-2
2733	singleton	2537562047	Alcanivorax pacificus	Alcanivorax pacificus W11-5
2734	singleton	2518285603	Actinokineospora enzanensis	Actinokineospora enzanensis DSM 44649
2735	singleton	646311950	Robiginitalea biformata	Robiginitalea biformata HTCC2501
2736	singleton	2537561680	Helicobacter pylori	Helicobacter pylori Hp A-26
2737	singleton	2513237335	Nesterenkononia sp.	Nesterenkononia sp. F
2738	singleton	2524023227	Arthrobacter castelli	Arthrobacter castelli DSM 16402
2739	singleton	2513237078	Amycolatopsis sp.	Amycolatopsis sp. 75iv2, ATCC 39116
2740	singleton	645951811	Bacteroides sp.	Bacteroides sp. D2
2741	singleton	2528768183	unclassified	Ignavibacteriaceae bacterium SCGC AC-197-P21
2742	singleton	2512564004	Methylophaga nitratireducens	Methylophaga nitratireducens JAM1
2743	singleton	2531839443	Janibacter hoylei	Janibacter hoylei MTCC 8307
2744	singleton	637000029	Baumannia cicadellinicola	Baumannia cicadellinicola Hc
2745	singleton	639633060	Candidatus Solibacter usitatus	Candidatus Solibacter usitatus Ellin6076
2746	singleton	2524614551	Moraxella caprae	Moraxella caprae DSM 19149
2747	singleton	637000089	Dehalococcoides ethenogenes	Dehalococcoides ethenogenes 195
2748	singleton	2508501026	Bacillus sp.	Bacillus sp. J37
2749	singleton	2554235371	Spiroplasma chrysopticola	Spiroplasma chrysopticola DF-1
2750	singleton	2519899694	Brachyspira innocens	Brachyspira innocens ATCC 29796
2751	singleton	640612202	Algoriphagus sp.	Algoriphagus sp. PR1
2752	singleton	637000324	Thiobacillus denitrificans	Thiobacillus denitrificans ATCC 25259
2753	singleton	648028058	Sulfurimonas autotrophica	Sulfurimonas autotrophica OK10, DSM 16294
2754	singleton	643692020	Deinococcus deserti	Deinococcus deserti VCD115
2755	singleton	2524614769	Pseudonocardia spinosispora	Pseudonocardia spinosispora DSM 44797
2756	singleton	2537562174	Streptococcus suis	Streptococcus suis R61
2757	singleton	2503982039	Bacteroides coprosuis	Bacteroides coprosuis PC 139, DSM 18011
2758	singleton	2524614847	Clostridium sp.	Clostridium sp. ASBs410
2759	singleton	2511231053	Thermococcus sp.	Thermococcus sp. AM4
2760	singleton	2508501114	Microvirga lotononidis	Microvirga lotononidis WSM3557
2761	singleton	649989982	Peptoniphilus harei	Peptoniphilus harei ACS-146-V-Sch2b
2762	singleton	2531839084	Congregibacter litoralis	Congregibacter litoralis KT71
2763	singleton	2551306524	Curtobacterium sp.	Curtobacterium sp. B18
2764	singleton	2545555856	Curvibacter gracilis	Curvibacter gracilis ATCC BAA-807
2765	singleton	638341239	Yersinia frederiksenii	Yersinia frederiksenii ATCC 33641
2766	singleton	2528768046	Burkholderia sp.	Burkholderia sp. JGI 0001021-E12 (contamination screened)
2767	singleton	637000271	Sphingopyxis alaskensis	Sphingopyxis alaskensis RB2256
2768	singleton	2523533623	Prevotella corporis	Prevotella corporis DSM 18810
2769	singleton	2531839453	Streptococcus sp.	Streptococcus sp. F0442
2770	singleton	2547132195	Kallipyga massiliensis	Kallipyga massiliensis ph2
2771	singleton	646564578	Thermincola potens	Thermincola potens JR
2772	singleton	638341119	Loktanela vestfoldensis	Loktanela vestfoldensis SKA53
2773	singleton	2524023146	Bifidobacterium minimum	Bifidobacterium minimum DSM 20102
2774	singleton	2264867253	unclassified	Latescibacteria bacterium SCGC AAA252-D10 (SAK_001_39)
2775	singleton	640753003	Anaeromyxobacter sp.	Anaeromyxobacter sp. Fw109-5
2776	singleton	2516493028	Allobaculum stercoricanis	Allobaculum stercoricanis DSM 13633
2777	singleton	641228474	Acaryochloris marina	Acaryochloris marina MBIC11017
2778	singleton	2524614815	Stappia stellulata	Stappia stellulata DSM 5886
2779	singleton	2264867185	unclassified	Aminicenantes bacterium SCGC AAA252-J15 (SAK_001_58)
2780	singleton	637000121	Gloeobacter violaceus	Gloeobacter violaceus PCC 7421
2781	singleton	2529292727	Anaerococcus prevotii	Anaerococcus prevotii ACS-065-V-Col13

2782	singleton	2531839287	Facklamia ignava	Facklamia ignava CCUG 37419
2783	singleton	2518645606	Rubritalea marina	Rubritalea marina DSM 17716
2784	singleton	2547132373	Gluconacetobacter oboediens	Gluconacetobacter oboediens 174Bp2
2785	singleton	642979369	Clostridium nexile	Clostridium nexile DSM 1787
2786	singleton	2537561994	unclassified	beta proteobacterium sp. IMCC9480
2787	singleton	643348530	Coprothermobacter proteolyticus	Coprothermobacter proteolyticus DSM 5265
2788	singleton	2541047155	Leptospira alexanderi	Leptospira alexanderi sv. Manhao 3 L 60
2789	singleton	2519899636	Microbulbifer variabilis	Microbulbifer variabilis ATCC 700307
2790	singleton	2513237093	Rhizobium leguminosarum	Rhizobium leguminosarum bv phaseoli FA23
2791	singleton	2524614681	Treponema bryantii	Treponema bryantii NK4A124
2792	singleton	2529293143	Gardnerella vaginalis	Gardnerella vaginalis 1500E
2793	singleton	2511231049	Adhaeribacter aquaticus	Adhaeribacter aquaticus MBRG1.5, DSM 16391
2794	singleton	2547132103	Chromobacterium sp.	Chromobacterium sp. C-61
2795	singleton	2517093037	Mycoplasma wenyonii	Mycoplasma wenyonii Massachusetts
2796	singleton	642979337	Bacteroides pectinophilus	Bacteroides pectinophilus ATCC 43243
2797	singleton	2519899732	unclassified	Sphingomonas sp. LH128
2798	singleton	2551306467	Pseudomonas sp.	Pseudomonas sp. PAMC 26793
2799	singleton	2523533615	Flavobacterium daejeonense	Flavobacterium daejeonense DSM 17708
2800	singleton	2545824694	Marinobacter santoriniensis	Marinobacter santoriniensis NKS61
2801	singleton	2528768162	unclassified	zeta proteobacterium SCGC AC-673-C02
2802	singleton	2513237111	Flavobacterium antarcticum	Flavobacterium antarcticum DSM 19726
2803	singleton	2528311055	unclassified	Nitrospirae bacterium SCGC AC-310-J16
2804	singleton	2264265190	unclassified	actinobacterium SCGC AAA024-D14
2805	singleton	2523231058	unclassified	Firmicutes bacterium JGI 0000119-D13
2806	singleton	2554235485	Halovivax asiaticus	Halovivax asiaticus JCM 14624
2807	singleton	2531839457	Rheinheimera nanhaiensis	Rheinheimera nanhaiensis E407-8
2808	singleton	2545824676	Listeria fleischmannii	Listeria fleischmannii LU2006-1
2809	singleton	2528768108	Rhizobium sp.	Rhizobium sp. JGI 0001012-J08 (contamination screened)
2810	singleton	2513237316	Selenomonas infelix	Selenomonas infelix ATCC 43532
2811	singleton	2528768127	Variovorax sp.	Variovorax sp. JGI 0001013-B23 (contamination screened)
2812	singleton	2512047036	Tannerella forsythensis	Tannerella forsythensis ATCC 43037
2813	singleton	645058810	Sphingobacterium spiritivorum	Sphingobacterium spiritivorum ATCC 33861
2814	singleton	637000338	Wigglesworthia glossinidia	Wigglesworthia glossinidia endosymbiont of Glossina brevipalpis
2815	singleton	2545824543	Hyphomicrobium sp.	Hyphomicrobium sp. 99
2816	singleton	2519899707	Burkholderia sp.	Burkholderia sp. JGI 0001021-H19
2817	singleton	2537562098	Helicobacter pylori	Helicobacter pylori Hp H-6
2818	singleton	649633104	Thermovibrio ammonificans	Thermovibrio ammonificans HB-1, DSM 15698
2819	singleton	644736371	Geobacter sp.	Geobacter sp. M21
2820	singleton	2528311047	unclassified	Firmicutes bacterium SCGC AC-310-O20
2821	singleton	2517434009	Hoeflea sp.	Hoeflea sp. 108
2822	singleton	649990009	Streptococcus parasanguinis	Streptococcus parasanguinis ATCC 903
2823	singleton	648276748	Streptococcus sp.	Streptococcus sp. oral taxon 071 73H25AP
2824	singleton	2508501007	unclassified	Magnetospirillum sp. WD
2825	singleton	2554235493	Natronococcus jeotgali	Natronococcus jeotgali DSM 18795
2826	singleton	2524614626	Eudoraea uncultured	Eudoraea sp. SCGC 5441
2827	singleton	643886194	Neisseria subflava	Neisseria subflava NJ9703
2828	singleton	2551306077	Vibrio tasmaniensis	Vibrio tasmaniensis ZS-17
2829	singleton	2548876983	Pseudomonas mandelii	Pseudomonas mandelii JR-1
2830	singleton	2537561925	Lactobacillus hominis	Lactobacillus hominis CRBIP 24.179
2831	singleton	2507149019	Desulfitobacterium dichloroeliminans	Desulfitobacterium dichloroeliminans LMG P-21439
2832	singleton	2548876785	Pseudoalteromonas haloplanktis	Pseudoalteromonas haloplanktis ATCC 14393
2833	singleton	2264867232	unclassified	Marinimicrobia bacterium SCGC AAA257-N23 (Etoliko_001_146)
2834	singleton	646564511	Kyrpidia tusciae	Kyrpidia tusciae T2, DSM 2912
2835	singleton	640753007	Bacillus pumilus	Bacillus pumilus SAFR-032
2836	singleton	2522572161	Ferrimonas fultsuensis	Ferrimonas fultsuensis DSM 18154
2837	singleton	650377958	Megamonas hypermegale	Megamonas hypermegale ART12/1
2838	singleton	2545555831	Mesoplasma chauliocola	Mesoplasma chauliocola ATCC 49578
2839	singleton	2513237285	Wolbachia pipientis	Wolbachia pipientis wAlbB
2840	singleton	643692025	Halorubrum lacusprofundi	Halorubrum lacusprofundi ATCC 49239
2841	singleton	642555138	Methylacidiphilum infernorum	Methylacidiphilum infernorum V4
2842	singleton	648028047	Olsenella uli	Olsenella uli VPI, DSM 7084
2843	singleton	2546825546	Methylobacterium sp.	Methylobacterium sp. 10
2844	singleton	2551306469	Pantoea sp.	Pantoea sp. A4
2845	singleton	639633051	Polaromonas naphthalenivorans	Polaromonas naphthalenivorans CJ2
2846	singleton	2516653050	Methylopila sp.	Methylopila sp. M107
2847	singleton	2524614846	Alteromonas sp.	Alteromonas sp. ALT199
2848	singleton	2518285537	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALJ17
2849	singleton	2547132038	Saccharopolyspora spinosa	Saccharopolyspora spinosa NRRL 18395
2850	singleton	2528768192	unclassified	Halothiobacillaceae bacterium SCGC AC-197-I22
2851	singleton	2528768084	unclassified	Oxalobacteraceae bacterium JGI 001010-B17 (contamination screened)
2852	singleton	2519899681	Cohnella laeviribosi	Cohnella laeviribosi DSM 21336
2853	singleton	637000007	Anaeromyxobacter dehalogenans	Anaeromyxobacter dehalogenans 2CP-C
2854	singleton	2548876670	Salmonella enterica	Salmonella enterica salamae 3588/07
2855	singleton	650716065	Myxococcus fulvus	Myxococcus fulvus HW-1
2856	singleton	2518645558	Francisella noatunensis	Francisella noatunensis orientalis Toba 04
2857	singleton	2518645613	Psychroflexus tropicus	Psychroflexus tropicus DSM 15496
2858	singleton	2537561924	unclassified	Listeriaceae bacterium TTU M1-001
2859	singleton	637000073	Chlorobium tepidum	Chlorobium tepidum TLS
2860	singleton	637000267	Ruegeria pomeroyi	Ruegeria pomeroyi DSS-3
2861	singleton	2548876872	Helicobacter pylori	Helicobacter pylori N6
2862	singleton	2548876994	Herbaspirillum lusitanum	Herbaspirillum lusitanum P6-12
2863	singleton	2517093017	Saccharomonospora halophila	Saccharomonospora halophila 8

2864	singleton	2513237141	Bradyrhizobium sp.	Bradyrhizobium sp. TV2a.2
2865	singleton	2529292793	Haemophilus haemolyticus	Haemophilus haemolyticus M19501
2866	singleton	2526164638	Helicobacter pylori	Helicobacter pylori NQ4110
2867	singleton	2516653055	Rhodovibrio salinarum	Rhodovibrio salinarum DSM 9154
2868	singleton	2528768080	unclassified	Oxalobacteraceae bacterium JGI 0001002-K6 (contamination screened)
2869	singleton	2523533601	Fodinicurvata sediminis	Fodinicurvata sediminis DSM 21159
2870	singleton	645951829	Ruminococcus flavefaciens	Ruminococcus flavefaciens FD-1
2871	singleton	2511231102	Flavobacterium branchiophilum	Flavobacterium branchiophilum FL-15
2872	singleton	2551306155	Nocardia niigatensis	Nocardia niigatensis NBRC 100131
2873	singleton	650716004	Acidovorax avenae	Acidovorax avenae ATCC 19860
2874	singleton	2513237359	Olsenella sp.	Olsenella sp. OF0356
2875	singleton	2551306395	Legionella anisa	Legionella anisa Linanisette
2876	singleton	2534681796	Rhizobium sp.	Rhizobium sp. CCGE 502
2877	singleton	640753011	Campylobacter hominis	Campylobacter hominis ATCC BAA-381
2878	singleton	2531839509	Streptomyces viridochromogenes	Streptomyces viridochromogenes Tue57
2879	singleton	2236876029	unclassified	alpha proteobacterium SCGC AAA280-P20
2880	singleton	2509276067	Barnesiella viscericola	Barnesiella viscericola C46, DSM 18177
2881	singleton	2523533577	Flavobacterium denitrificans	Flavobacterium denitrificans DSM 15936
2882	singleton	2523231029	Lysobacter sp.	Lysobacter sp. URHA0019
2883	singleton	639633006	Arthrobacter sp.	Arthrobacter sp. FB24
2884	singleton	637000214	Prochlorococcus marinus	Prochlorococcus marinus pastoris CCMP 1986
2885	singleton	2511231035	Pantoea sp.	Pantoea sp. GM01
2886	singleton	2516143018	Rhizobium sp.	Ensifer sp. BR816
2887	singleton	2509276019	Ensifer sp.	Ensifer sp. TW10
2888	singleton	2529292877	Streptococcus parasanguinis	Streptococcus parasanguinis SK236
2889	singleton	650716099	Treponema azotonutricium	Treponema azotonutricium ZAS-9
2890	singleton	2534682145	Planococcus antarcticus	Planococcus antarcticus DSM 14505
2891	singleton	2528768031	Bacillus sp.	Bacillus sp. JGI 001005-J19 (contamination screened)
2892	singleton	642555128	Erwinia tasmaniensis	Erwinia tasmaniensis Et1/99
2893	singleton	2529292850	Leptospira weilii	Leptospira weilii sv. Ranarum ICFT
2894	singleton	641736268	Gemmata obscuriglobus	Gemmata obscuriglobus UQM 2246
2895	singleton	2534681902	Haloarcula japonica	Haloarcula japonica DSM 6131
2896	singleton	2517572073	Leptolyngbya sp.	Leptolyngbya sp. PCC 6406
2897	singleton	2545824656	Enterococcus mundtii	Enterococcus mundtii ATCC 882
2898	singleton	2547132139	Paenibacillus senegalensis	Paenibacillus senegalensis JC66
2899	singleton	2545824624	Ilumatobacter coccineum	Ilumatobacter coccineum YM16-304
2900	singleton	2524614645	Runella zeae	Runella zeae DSM 19591
2901	singleton	2547132166	Pseudomonas fluorescens	Pseudomonas fluorescens NCIMB 11764
2902	singleton	2529293251	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia SKK35
2903	singleton	2512564069	Deinococcus gobiensis	Deinococcus gobiensis I-0, DSM 21396
2904	singleton	2264867261	unclassified	Cloacimonetes bacterium JGI 0000059-L07 (TABiofilm_001_170)
2905	singleton	2522572157	Acetobacter nitrogenifigens	Acetobacter nitrogenifigens DSM 23921
2906	singleton	2531839312	Serratia sp.	Serratia sp. M24T3
2907	singleton	2548877068	Staphylococcus lentus	Staphylococcus lentus F1142
2908	singleton	2501939605	Psychrobacter sp.	Psychrobacter sp. UKMCC_SWTGB2
2909	singleton	2509276030	Synechococcus sp.	Synechococcus sp. PCC 6312
2910	singleton	2517572147	Amorphus coralli	Amorphus coralli DSM 19760
2911	singleton	2547132423	Serratia sp.	Serratia sp. DD3
2912	singleton	2554235030	Nocardiodopsis ganjahuensis	Nocardiodopsis ganjahuensis DSM 45031
2913	singleton	2524023091	Enterorhabdus mucosicola	Enterorhabdus mucosicola DSM 19490
2914	singleton	2518645623	Actinomadura flavalba	Actinomadura flavalba DSM 45200
2915	singleton	2264867194	unclassified	Aminicenantetes bacterium SCGC AAA252-003 (SAK_001_81)
2916	singleton	2512875009	Haloquadratum sp.	Haloquadratum sp. J07HQX50 (version 2)
2917	singleton	648276715	Prevotella disiens	Prevotella disiens FB035-09AN
2918	singleton	2528768179	Paucisalibacillus globulus	Paucisalibacillus globulus DSM 18846
2919	singleton	646564527	Denitrovibrio acetiphilus	Denitrovibrio acetiphilus N2460, DSM 12809
2920	singleton	2519103178	Lactobacillus parabrevis	Lactobacillus parabrevis ATCC 53295
2921	singleton	2508501010	Methylomicrobium album	Methylomicrobium album BG8
2922	singleton	2513237232	Candidatus Mycoplasma haemominutum	Candidatus Mycoplasma haemominutum Birmingham 1
2923	singleton	2513237311	Subdoligranulum sp.	Subdoligranulum sp. 4_3_54A2FAA
2924	singleton	2554235156	Amycolatopsis orientalis	Amycolatopsis orientalis DSM 43388
2925	singleton	2524614659	Brevundimonas naejangsanensis	Brevundimonas naejangsanensis DSM 23858
2926	singleton	2524614882	unclassified	Acidobacteriaceae bacterium TAA 166
2927	singleton	2503692001	Desulfococcus oleovorans	Desulfococcus oleovorans Hxd3
2928	singleton	2548877032	Gillisia sp.	Gillisia sp. CBA3202
2929	singleton	647533235	Streptomyces sp.	Streptomyces sp. e14
2930	singleton	2528768028	unclassified	Alpha proteobacterium sp. JGI 001015-K04 (contamination screened)
2931	singleton	2524614863	Clostridium halophilum	Clostridium halophilum ATCC 49637
2932	singleton	2264867139	unclassified	Parcubacteria bacterium SCGC AAA011-J21 (DUSEL_001_191)
2933	singleton	2524614725	Gramella portivictoriae	Gramella portivictoriae DSM 23547
2934	singleton	2519899832	Pontibacter sp.	Pontibacter sp. BAB1700
2935	singleton	638341218	Polaribacter sp.	Polaribacter sp. MED152
2936	singleton	2537561561	Pelosinus fermentans	Pelosinus fermentans JBW45
2937	singleton	2517093005	Acinetobacter bouvetii	Acinetobacter bouvetii DSM 14964
2938	singleton	638341214	Synechococcus sp.	Synechococcus sp. WH5701
2939	singleton	2541047101	Pseudomonas sp.	Pseudomonas sp. CFI164
2940	singleton	2531839716	Helicobacter pylori	Helicobacter pylori Hp P-62
2941	singleton	638154521	Thermoplasma acidophilum	Thermoplasma acidophilum DSM 1728
2942	singleton	647533206	Nautella italica	Nautella italica R11
2943	singleton	651324018	Candidatus Nitrosoarchaeum limnia	Candidatus Nitrosoarchaeum limnia SFB1
2944	singleton	2527291515	unclassified	Fervidibacteria bacterium SCGC AAA471-D06 (Combined_Assembly_EM19_2_Oct-Spa1-106)
2945	singleton	648028032	Helicobacter pylori	Helicobacter pylori SJM180

2946	singleton	638341009	Aurantimonas manganoydans	Aurantimonas manganoydans SI85-9A1
2947	singleton	2519899659	Bacillus acidiproducens	Bacillus acidiproducens DSM 23148
2948	singleton	2236876031	unclassified	alpha proteobacterium SCGC AAA027-L15
2949	singleton	2264867252	unclassified	Latescibacteria bacterium SCGC AAA252-B13 (SAK_001_32)
2950	singleton	2512047064	Mycoplasma anatis	Mycoplasma anatis 1340, ATCC 25524
2951	singleton	2531839521	Mycoplasma sp.	Mycoplasma sp. G5847
2952	singleton	2265129006	Candidatus Poribacteria sp.	Candidatus Poribacteria sp. WGA-4E (final_clean_version)
2953	singleton	2547132141	Sphingomonas echinoides	Sphingomonas echinoides ATCC 14820
2954	singleton	640612221	Loktanelia sp.	Loktanelia sp. CCS2
2955	singleton	647533243	unclassified	Verrucomicrobiales sp. DG1235
2956	singleton	649989945	unclassified	Erysipelotrichaceae bacterium sp. 3_1_53
2957	singleton	2507149015	Pseudomonas stutzeri	Pseudomonas stutzeri RCH2
2958	singleton	2264867061	unclassified	Candidatus Aerophobus profundus SCGC AAA252-L23 (SAK_001_70)
2959	singleton	2515154110	Porphyromonas levii	Porphyromonas levii DSM 23370
2960	singleton	2523231065	Oceanobacter kriegii	Oceanobacter kriegii DSM 6294
2961	singleton	643886082	Chryseobacterium gleum	Chryseobacterium gleum F93, ATCC 35910
2962	singleton	2528311046	unclassified	Firmicutes bacterium SCGC AC-310-N09
2963	singleton	2528768065	unclassified	Chitinophagaceae bacterium JGI 0001002-J12 (contamination screened)
2964	singleton	642555147	Phenylobacterium zucineum	Phenylobacterium zucineum HLK1
2965	singleton	644736379	Kosmotoga olearia	Kosmotoga olearia TBF 19.5.1
2966	singleton	649989902	Actinomyces sp.	Actinomyces sp. oral taxon 171 F0337
2967	singleton	2541047160	Pseudoalteromonas spongiae	Pseudoalteromonas spongiae UST010723-006
2968	singleton	643886118	unclassified	Flavobacteria bacterium MS024-2A
2969	singleton	2547132187	Acinetobacter sp.	Acinetobacter sp. MDS7A
2970	singleton	2517572243	Acinetobacter tjernbergiae	Acinetobacter tjernbergiae DSM 14971
2971	singleton	2524023165	Corynebacterium massiliense	Corynebacterium massiliense DSM 45435
2972	singleton	2506210029	Pseudomonas fluorescens	Pseudomonas fluorescens NZ17
2973	singleton	2502545039	Pontibacter actiniarium	Pontibacter actiniarium KMM 6156, DSM 19842
2974	singleton	2548876979	Ruminococcus sp.	Ruminococcus sp. JC304
2975	singleton	2513237102	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 135
2976	singleton	2236661008	unclassified	alpha proteobacterium SCGC AAA028-C07
2977	singleton	2534681913	Xanthomonas fragariae	Xanthomonas fragariae LMG 25863
2978	singleton	2524614883	Paenibacillus taiwanensis	Paenibacillus taiwanensis DSM 18679
2979	singleton	2519899514	unclassified	Thaumarchaeota archaeon BS4
2980	singleton	2554235018	Paenibacillus sp.	Paenibacillus sp. A9
2981	singleton	2528311031	unclassified	delta proteobacterium PSCGC 5451
2982	singleton	2513237181	Caldisericum exile	Caldisericum exile AZM16c01, NBRC 104410
2983	singleton	638341138	Oceanicaulis alexandrii	Oceanicaulis alexandrii HTCC2633
2984	singleton	644736374	Helicobacter pylori	Helicobacter pylori B38
2985	singleton	2506783054	Pseudanabaena sp.	Pseudanabaena sp. PCC 6802
2986	singleton	2503754048	Leptolyngbya sp.	Leptolyngbya sp. PCC 7376
2987	singleton	2519899683	Elioraea tepidiphila	Elioraea tepidiphila DSM 17972
2988	singleton	2541046977	Actinomyces europaeus	Actinomyces europaeus ACS-120-V-Col10b
2989	singleton	2508501000	Dechlorobacter hydrogenophilus	Dechlorobacter hydrogenophilus LT-1
2990	singleton	2503707008	Nostoc sp.	Nostoc sp. PCC 7107
2991	singleton	2508501051	Thiocystis violascens	Thiocystis violascens 611, DSM 198
2992	singleton	2509276035	Saprospira grandis	Saprospira grandis HR1, DSM 2844
2993	singleton	648276712	Peptostreptococcus stomatis	Peptostreptococcus stomatis DSM 17678
2994	singleton	2548876788	Bacteroides faecis	Bacteroides faecis MAJ27
2995	singleton	2507262057	Cronobacter sp.	Enterobacteriaceae bacterium FGI 57
2996	singleton	2537561871	Actinobacillus minor	Actinobacillus minor 202
2997	singleton	2534682370	Acholeplasma multilocale	Acholeplasma multilocale ATCC 49900
2998	singleton	2511231007	Pseudomonas sp.	Pseudomonas sp. GM18
2999	singleton	2524023156	Conchiformibius kuhniae	Conchiformibius kuhniae DSM 17694
3000	singleton	640069322	Prochlorococcus marinus	Prochlorococcus marinus MIT 9301
3001	singleton	2502957026	unclassified	Thaumarchaeota archaeon BS1
3002	singleton	2507262016	Scytonema hofmanni	Scytonema hofmanni UTEX 2349
3003	singleton	650716005	Aerococcus urinae	Aerococcus urinae ACS-120-V-Col10a
3004	singleton	647533201	Ruegeria sp.	Ruegeria sp. KLH11
3005	singleton	2518645610	Streptomyces sulphureus	Streptomyces sulphureus DSM 40104
3006	singleton	650716053	Methanobacterium sp.	Methanobacterium sp. SWAN-1
3007	singleton	2511231086	Kitasatospora setae	Kitasatospora setae KM-6054, NBRC 14216
3008	singleton	2529293003	Actinobaculum massiliae	Actinobaculum massiliae ACS-171-V-Col2
3009	singleton	2519899775	Bifidobacterium asteroides	Bifidobacterium asteroides PRL2011
3010	singleton	648028051	Prevotella melaninogenica	Prevotella melaninogenica ATCC 25845
3011	singleton	2554235505	Haloterrigena salina	Haloterrigena salina JCM 13891
3012	singleton	637000320	Thermosynechococcus elongatus	Thermosynechococcus elongatus BP-1
3013	singleton	645058855	Streptomyces viridochromogenes	Streptomyces viridochromogenes DSM 40736
3014	singleton	2517287020	Amycolatopsis benzoatilytica	Amycolatopsis benzoatilytica DSM 43387
3015	singleton	2528768085	Pelomonas sp.	Pelomonas sp. JGI 0001005-M10 (contamination screened)
3016	singleton	2517572086	unclassified	Sphingomonas sp. JGI 0001003-C6
3017	singleton	642555165	Sulfurihydrogenibium sp.	Sulfurihydrogenibium sp. YO3AOP1
3018	singleton	640427139	Roseiflexus sp.	Roseiflexus sp. RS-1
3019	singleton	2513237191	Gluconacetobacter xylinus	Gluconacetobacter xylinus NBRC 3288
3020	singleton	2554235121	Dickeya zeae	Dickeya zeae MS1
3021	singleton	2547132175	Bacillus psychrosaccharolyticus	Bacillus psychrosaccharolyticus ATCC 23296
3022	singleton	651324057	Lactobacillus animalis	Lactobacillus animalis 1535, KCTC 3501
3023	singleton	2264867153	unclassified	Microgenomates bacterium SCGC AAA011-L05 (DUSEL_001_205)
3024	singleton	2531839096	Oceanibaculum indicum	Oceanibaculum indicum P24
3025	singleton	2548876793	Paenibacillus sp.	Paenibacillus sp. Aloe-11
3026	singleton	2522125021	unclassified	delta proteobacterium PSCGC 5419
3027	singleton	2548876993	Cronobacter mutytjensii	Cronobacter mutytjensii ATCC 51329

3028	singleton	2516143012	Methylomonas sp.	Methylomonas sp. 11b
3029	singleton	2554235475	Halorubrum aidingense	Halorubrum aidingense JCM 13560
3030	singleton	2527291529	unclassified	Nitrospirae bacterium SCGC AC-310-M22
3031	singleton	2531839228	Fulvivirga imtechensis	Fulvivirga imtechensis AK7
3032	singleton	637000162	Methanosarcina barkeri	Methanosarcina barkeri Fusaro, DSM 804
3033	singleton	2524023087	Paenibacillus pasadenensis	Paenibacillus pasadenensis DSM 19293
3034	singleton	2524614540	Aestuuaribacter salexigens	Aestuuaribacter salexigens DSM 15300
3035	singleton	2524614762	Desulfobulbus japonicus	Desulfobulbus japonicus DSM 18378
3036	singleton	2554235102	Amycolatopsis orientalis	Amycolatopsis orientalis DSM 40040
3037	singleton	2522125076	Epsilonproteobacteria unclassified	epsilon proteobacterium SCGC AB-137-I22
3038	singleton	2551306387	Lactococcus garvieae	Lactococcus garvieae I13
3039	singleton	2513237294	Paenibacillus dendritiformis	Paenibacillus dendritiformis C454
3040	singleton	2554235032	Nocardiopsis prasina	Nocardiopsis prasina DSM 43845
3041	singleton	2528768180	unclassified	Ignavibacteriaceae bacterium SCGC AB-674-E22
3042	singleton	648276686	Maritimibacter alkaliphilus	Maritimibacter alkaliphilus HTCC2654
3043	singleton	2509276055	Treponema saccharophilum	Treponema saccharophilum PB, DSM 2985
3044	singleton	2524614806	Cucumbacter marinus	Cucumbacter marinus DSM 18995
3045	singleton	646564583	Thermosphaera aggregans	Thermosphaera aggregans M11TL, DSM 11486
3046	singleton	2524614869	Aquaspirillum serpens	Aquaspirillum serpens DSM 68
3047	singleton	2554235193	Pseudomonas sp.	Pseudomonas sp. P818
3048	singleton	2510065042	Roseobacter litoralis	Roseobacter litoralis Och 149
3049	singleton	2541048007	Clostridium sordellii	Clostridium sordellii VPI 9048
3050	singleton	646564565	Sanguibacter keddiei	Sanguibacter keddiei ST-74, DSM 10542
3051	singleton	2522572158	Azospirillum halopraeferens	Azospirillum halopraeferens DSM 3675
3052	singleton	640963027	Marinobacter algicola	Marinobacter algicola DG893
3053	singleton	2524023206	Geobacter bremensis	Geobacter bremensis R1
3054	singleton	2236661013	unclassified	alpha proteobacterium SCGC AAA300-J04
3055	singleton	2523231047	Gordonia soli	Gordonia soli NBRC 108243
3056	singleton	2518285610	Variovorax sp.	Variovorax sp. JGI 001013-H06
3057	singleton	2524023078	unclassified	Euryarchaeota archaeon SCGC AB-637-J17
3058	singleton	638341140	Oceanicola granulosis	Oceanicola granulosis HTCC2516
3059	singleton	2522572191	Streptococcus plurextorum	Streptococcus plurextorum DSM 22810
3060	singleton	2524614862	Silanimonas lenta	Silanimonas lenta DSM 16282
3061	singleton	2554235097	Pseudomonas veronii	Pseudomonas veronii 1YdBTEX2
3062	singleton	650716068	unclassified	Novosphingobium sp. PP1Y
3063	singleton	2513237273	Staphylococcus simiae	Staphylococcus simiae Olomouc 25, CCM 7213
3064	singleton	2504557017	Marinomonas sp.	Marinomonas sp GOBB3-320
3065	singleton	2551306681	Nocardiopsis xinjiangensis	Nocardiopsis xinjiangensis YIM 90004
3066	singleton	2512047086	Ensifer arboris	Ensifer arboris LMG 14919
3067	singleton	640427130	Chlorobium phaeovibrioides	Chlorobium phaeovibrioides DSM 265
3068	singleton	2524023202	Clostridium celatum	Clostridium celatum DSM 1785
3069	singleton	2547132137	Kurthia sp.	Kurthia massiliensis JC30
3070	singleton	2524614822	Teredinibacter sp.	Teredinibacter sp. 1162T.S.0a.05
3071	singleton	2521172648	Psychrobacter lutiphocae	Psychrobacter lutiphocae DSM 21542
3072	singleton	2264867196	unclassified	Aminicenantes bacterium SCGC AAA252-O10 (SAK_001_84)
3073	singleton	2264867246	unclassified	Marinimicrobia bacterium SCGC AAA076-M08
3074	singleton	2522125003	Pedobacter unclassified	Pedobacter_Hanford_SCG M16 (Hanford SCG M16)
3075	singleton	645058705	Eubacterium saphenum	Eubacterium saphenum ATCC 49989
3076	singleton	2524023234	unclassified	Acidobacteria bacterium SCGC AAA003-J17
3077	singleton	2545555832	unclassified	actinobacterium SCGC AAA028-I14
3078	singleton	2551306663	Sedimentibacter sp.	Sedimentibacter sp. B4
3079	singleton	2523533585	Rheinheimera baltica	Rheinheimera baltica DSM 14885
3080	singleton	2264867134	unclassified	Hydrogenedentes bacterium JGI 0000077-D07 (Tabiofilm_001_236)
3081	singleton	647000309	Ruminococcus albus	Ruminococcus albus 8
3082	singleton	638341078	Desulfuromonas acetoxidans	Desulfuromonas acetoxidans DSM 684
3083	singleton	646564520	Cellulomonas flavigena	Cellulomonas flavigena 134, DSM 20109
3084	singleton	2518645548	Blattabacterium sp.	Blattabacterium sp. (Blaberus giganteus)
3085	singleton	647000312	Serratia odorifera	Serratia odorifera DSM 4582
3086	singleton	640753036	Methanococcus vannielii	Methanococcus vannielii SB
3087	singleton	2519899763	Pseudomonas sp.	Pseudomonas sp. Chol1
3088	singleton	647533236	Synechococcus sp.	Synechococcus sp. PCC 7335
3089	singleton	638154508	Methanosarcina acetivorans	Methanosarcina acetivorans C2A
3090	singleton	2551306522	Salinivibrio costicola	Salinivibrio costicola costicola ATCC 33508
3091	singleton	2524614624	Eudoraea uncultured	Eudoraea sp. SCGC 5358
3092	singleton	2510065062	Actinospica robiniae	Actinospica robiniae DSM 44927
3093	singleton	637000258	Shewanella oneidensis	Shewanella oneidensis MR-1
3094	singleton	640612203	unclassified	Rhodobacterales sp. HTCC2150
3095	singleton	2523231013	unclassified	Sphingomonas sp. URHD0007
3096	singleton	2541046993	Corynebacterium sp.	Corynebacterium sp. HFH0082
3097	singleton	2524614679	Halorubrum ezzemoulense	Halorubrum ezzemoulense DSM 17463
3098	singleton	2505679007	Muricauda ruestringensis	Muricauda ruestringensis B1, DSM 13258
3099	singleton	2236347022	unclassified	gamma proteobacterium SCGC AAA076-F14
3100	singleton	2554235379	Actinoplanes friuliensis	Actinoplanes friuliensis DSM 7358
3101	singleton	2517287029	Rhizobium leguminosarum	Rhizobium leguminosarum bv trifolii SRDI565
3102	singleton	642555120	Chlorobaculum parvum	Chlorobaculum parvum NCIB 8327
3103	singleton	2521172577	Leisingera nanhaiensis	Leisingera nanhaiensis NH52F, DSM 24252 (scaffold version)
3104	singleton	648276723	Selenomonas sp.	Selenomonas sp. oral taxon 149 67H29BP
3105	singleton	2523533627	Prevotella timonensis	Prevotella timonensis DSM 22865
3106	singleton	2547132267	Thauera selenatis	Thauera selenatis AX, ATCC 55363
3107	singleton	2522125174	Candidatus Glomeribacter sp.	Candidatus Glomeribacter sp. 1016415
3108	singleton	2524614646	Chthonomonas calidirosea	Chthonomonas calidirosea T49, DSM 23976 (Chthonomonas caliriosesea T49, DSM 23976)
3109	singleton	638341115	Leeuwenhoekella blandensis	Leeuwenhoekella blandensis MED217

3110	singleton	2540341128	Donghaeana dokdonensis	Donghaeana dokdonensis DSW-6
3111	singleton	2513237178	Bradyrhizobium sp.	Bradyrhizobium sp. S23321
3112	singleton	2528768168	unclassified	Bacteroidales bacterium PSC KfJloeBact1-2
3113	singleton	2523231085	Desulfospirra joergensenii	Desulfospirra joergensenii DSM 10085
3114	singleton	2519899679	Arhodomonas aquaeolei	Arhodomonas aquaeolei DSM 8974
3115	singleton	2524614608	Maritalea myrionectae	Maritalea myrionectae DSM 19524
3116	singleton	2545824542	Acholeplasma granularum	Acholeplasma granularum ATCC 19168
3117	singleton	649989983	Phascolarctobacterium sp.	Phascolarctobacterium sp. YIT 12067
3118	singleton	2524614851	Rubritepida flocculans	Rubritepida flocculans DSM 14296
3119	singleton	643348533	Cyanotheca sp.	Cyanotheca sp. PCC 7424
3120	singleton	2528768095	unclassified	Rhizobiales bacterium JGI 0001003-E12 (contamination screened)
3121	singleton	2236347013	unclassified	alpha proteobacterium SCGC AAA015-O19
3122	singleton	2508501047	Beggiatoa alba	Beggiatoa alba B18LD
3123	singleton	2551306562	Microbacterium sp.	Microbacterium sp. B24
3124	singleton	2524023182	Bacillus macauensis	Bacillus macauensis ZFHKF-1
3125	singleton	2537561877	Bhargavaea cecembensis	Bhargavaea cecembensis DSE10
3126	singleton	649990030	Vibrio sinaloensis	Vibrio sinaloensis CAIM 648, DSM 21326
3127	singleton	2505679080	unclassified	Sphingobacterium sp. 21
3128	singleton	2521172690	Candidatus Liberibacter crescens	Candidatus Liberibacter crescens BT-1
3129	singleton	2541047094	Aggregatibacter sp.	Aggregatibacter sp. oral taxon 458 W10330
3130	singleton	2512875008	Halonotius sp.	Halonotius sp. J07HN6 (version 2)
3131	singleton	2522572201	Eudoraea adriatica	Eudoraea adriatica DSM 19308
3132	singleton	2264867094	unclassified	PER bacterium JGI 0000068-E11 (CrabSpa_001_255)
3133	singleton	2526164517	Thalassospira lucentensis	Thalassospira lucentensis DSM 14000
3134	singleton	2540341182	Bibersteinia trehalosi	Bibersteinia trehalosi USDA-ARS-USMARC-192
3135	singleton	2519899647	Clostridium sporosphaeroides	Clostridium sporosphaeroides DSM 1294
3136	singleton	646862346	Streptomyces bingchenggensis	Streptomyces bingchenggensis BCW-1
3137	singleton	2264867008	unclassified	zeta proteobacterium SCGC AB-602-C20
3138	singleton	2502082092	uncultured archaeon sp.	uncultured archaeon sp. J07HX64
3139	singleton	2503198002	Virgibacillus sp.	Virgibacillus sp. SK37
3140	singleton	2519899638	Novispirillum itersonii	Novispirillum itersonii ATCC 12639
3141	singleton	2503982035	Oscillatoria nigro-viridis	Oscillatoria nigro-viridis PCC 7112
3142	singleton	2551306422	Pusillimonas noertemannii	Pusillimonas noertemannii BS8
3143	singleton	643886206	Clostridium methylpentosum	Clostridium methylpentosum R2, DSM 5476
3144	singleton	2548876769	Bacillus subtilis	Bacillus subtilis spizizenii DV1-B-1
3145	singleton	2512875015	Saccharibacillus sacchari	Saccharibacillus sacchari GR21, DSM 19268
3146	singleton	2511231221	Azospirillum lipoferum	Azospirillum lipoferum 4B
3147	singleton	2506783060	Mycobacterium smegmatis	Mycobacterium smegmatis JS623
3148	singleton	2513237302	Lactobacillus mucosae	Lactobacillus mucosae LM1
3149	singleton	2519899755	Cupriavidus necator	Cupriavidus necator HPC(L)
3150	singleton	2545824614	Mycoplasma cricetuli	Mycoplasma cricetuli ATCC 35279
3151	singleton	2518645603	Porphyromonas gulae	Porphyromonas gulae DSM 15663
3152	singleton	2534681771	Rhizobium sp.	Rhizobium sp. CF080
3153	singleton	649633045	Frankia sp.	Frankia sp. Eu1c
3154	singleton	2515154020	Streptococcus marimammalium	Streptococcus marimammalium DSM 18627
3155	singleton	2541047021	Propionibacterium sp.	Propionibacterium sp. oral taxon 192 F0372
3156	singleton	2528768044	Burkholderia sp.	Burkholderia sp. JGI 0001021-D09 (contamination screened)
3157	singleton	640753040	Parvibaculum lavamentivorans	Parvibaculum lavamentivorans DS-1
3158	singleton	2508501009	Bradyrhizobium sp.	Bradyrhizobium sp. WSM471
3159	singleton	637000325	Thiomicrospira crunogena	Thiomicrospira crunogena XCL-2
3160	singleton	640753029	Ignicoccus hospitalis	Ignicoccus hospitalis KIN4/I, DSM 18386
3161	singleton	2522125111	Cycloclasticus sp.	Cycloclasticus sp. SCGC AC281-E07
3162	singleton	2502545037	Halomonas sp.	Halomonas sp. HTNK1 (Draft assembly)
3163	singleton	2522125113	Cycloclasticus sp.	Cycloclasticus sp. SCGC AC281-N15
3164	singleton	2505119015	Pseudoalteromonas sp.	Pseudoalteromonas sp. Tw-2 (Draft assembly 1)
3165	singleton	643348527	Chloroflexus aggregans	Chloroflexus aggregans DSM 9485
3166	singleton	639633001	Acidothermus cellulolyticus	Acidothermus cellulolyticus 11B
3167	singleton	2512047040	Acetobacterium woodii	Acetobacterium woodii WB1, DSM 1030
3168	singleton	2513237263	Prevotella oulorum	Prevotella oulorum F0390
3169	singleton	2548876816	Pseudomonas fragi	Pseudomonas fragi B25
3170	singleton	2509601039	Leptolyngbya sp.	Leptolyngbya sp. PCC 7375
3171	singleton	2264867120	unclassified	Cloacimonetes bacterium SCGC AAA252-O02 (SAK_001_80)
3172	singleton	2506520034	Halopiger xanaduensis	Halopiger xanaduensis SH-6
3173	singleton	2508501115	Deinococcus pimensis	Deinococcus pimensis KR-235, DSM 21231
3174	singleton	2264867058	unclassified	Aerophobetes bacterium SCGC AAA255-F10 (SAK_001_129)
3175	singleton	2511231017	Pseudomonas sp.	Pseudomonas sp. GM55
3176	singleton	2515154014	Corynebacterium ciconiae	Corynebacterium ciconiae DSM 44920
3177	singleton	2537561777	Actinomyces sp.	Actinomyces sp. ICM47
3178	singleton	2517287034	Methylobacterium marinus	Methylobacterium marinus A45
3179	singleton	2513237336	Fusobacterium sp.	Fusobacterium sp. oral taxon 370 F0437
3180	singleton	2537561630	Streptococcus sp.	Streptococcus sp. AS14
3181	singleton	2508501027	Bordetella petrii	Bordetella petrii J49
3182	singleton	637000066	Chlamydomyces caviae	Chlamydomyces caviae GPIC
3183	singleton	2547132106	Corynebacterium nuruki	Corynebacterium nuruki S6-4, JCM 17162
3184	singleton	2524023138	Flavobacterium tegetincola	Flavobacterium tegetincola DSM 22377
3185	singleton	642555130	Geobacter lovleyi	Geobacter lovleyi SZ
3186	singleton	2537561728	Pectobacterium wasabiae	Pectobacterium wasabiae CFBP 3304
3187	singleton	2545555868	Butyrivibrio sp.	Butyrivibrio sp. FCS014
3188	singleton	646564560	Prevotella ruminicola	Prevotella ruminicola 23
3189	singleton	2519899651	unclassified	Acidobacteriaceae bacterium KBS 83
3190	singleton	2511231055	unclassified	Sphingobium sp. SYK-6
3191	singleton	2517434007	Methylobacterium sp.	Methylobacterium sp. 88A

3192	singleton	649633001	Achromobacter xylosoxidans	Achromobacter xylosoxidans A8
3193	singleton	639633053	Pyrobaculum islandicum	Pyrobaculum islandicum DSM 4184
3194	singleton	2534682200	Bartonella bovis	Bartonella bovis m02
3195	singleton	2524614733	Spongiibacter tropicus	Spongiibacter tropicus DSM 19543
3196	singleton	2531839589	Sutterella wadsworthensis	Sutterella wadsworthensis 2_1_59BFAA
3197	singleton	2529293194	Pseudomonas stutzeri	Pseudomonas stutzeri ZoBell 632, ATCC 14405
3198	singleton	639633064	Thermofilum pendens	Thermofilum pendens Hrk 5
3199	singleton	649633087	Pseudoxanthomonas suwonensis	Pseudoxanthomonas suwonensis 11-1
3200	singleton	2515154120	Leptotrichia wadei	Leptotrichia wadei DSM 19758
3201	singleton	2528768233	unclassified	bacterium SCGC AB-790-K11
3202	singleton	2551306666	Pseudomonas alcaliphila	Pseudomonas alcaliphila 34
3203	singleton	2526164764	Acidovorax sp.	Acidovorax sp. JHL-9
3204	singleton	649633063	Leadbetterella byssohila	Leadbetterella byssohila 4M15, DSM 17132
3205	singleton	2524614665	Gaetbulibacter saemankumensis	Gaetbulibacter saemankumensis DSM 17032
3206	singleton	2528768049	Burkholderia sp.	Burkholderia sp. JGI 001005-N10 (contamination screened)
3207	singleton	2523533612	Sediminimonas qiaohouensis	Sediminimonas qiaohouensis DSM 21189
3208	singleton	638154513	Pyrobaculum aerophilum	Pyrobaculum aerophilum IM2
3209	singleton	2551306135	Candidatus Prevotella conceptionensis	Candidatus Prevotella conceptionensis 9403948
3210	singleton	2531839572	Propionibacterium acnes	Propionibacterium acnes SK182B-JCVI
3211	singleton	2511231027	Phyllobacterium sp.	Phyllobacterium sp. YR531
3212	singleton	2537561941	Streptococcus mitis	Streptococcus mitis F0392
3213	singleton	638341106	Idiomarina baltica	Idiomarina baltica OS145
3214	singleton	2512047073	Streptococcus ictaluri	Streptococcus ictaluri 707-05
3215	singleton	2264867168	unclassified	Aminicenantes bacterium SCGC AAA255-F09 (SAK_001_128)
3216	singleton	2515154050	Anaerophaga thermohalophila	Anaerophaga thermohalophila Valhall
3217	singleton	644736349	Desulfobalobium retbaense	Desulfobalobium retbaense HR100, DSM 5692
3218	singleton	2519103086	Weissella confusa	Weissella confusa LBAE C39-2
3219	singleton	2264867224	unclassified	Aigarchaeota archaeon SCGC AAA471-G05 (GBS-N_001_14)
3220	singleton	641522645	Pseudomonas putida	Pseudomonas putida GB-1
3221	singleton	2551306173	Nocardia cerradoensis	Nocardia cerradoensis NBRC 101014
3222	singleton	640427112	Dichelobacter nodosus	Dichelobacter nodosus VCS1703A
3223	singleton	2517572100	unclassified	Opitutaceae sp. TAV2
3224	singleton	2528768022	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 123
3225	singleton	2519103099	Methanobacterium psychrophilum	Methanobacterium psychrophilum R15
3226	singleton	2554235020	Streptomyces sp.	Streptomyces sp. FXI7.023
3227	singleton	2516493030	Nitratiruptor tergaricus	Nitratiruptor tergaricus DSM 16512
3228	singleton	2548877017	Bacillus sp.	Bacillus sp. FJAT-13831
3229	singleton	651324002	Acetonema longum	Acetonema longum APO-1, DSM 6540
3230	singleton	2507262013	Synechococcus sp.	Synechococcus sp. KORDI-100 (genome sequencing)
3231	singleton	645058738	Selenomonas flueggei	Selenomonas flueggei ATCC 43531
3232	singleton	2554235351	Streptococcus lutetiensis	Streptococcus lutetiensis 033
3233	singleton	642979355	Burkholderia sp.	Burkholderia sp. H160
3234	singleton	2523533522	Desulfovibrio longus	Desulfovibrio longus DSM 6739
3235	singleton	2531839563	Streptococcus sanguinis	Streptococcus sanguinis SK150
3236	singleton	648028011	Burkholderia sp.	Burkholderia sp. CCGE1003
3237	singleton	2551306478	Aeromonas sp.	Aeromonas sp. 159
3238	singleton	2512875024	Mesorhizobium loti	Mesorhizobium loti R88b
3239	singleton	2554235027	Nocardiopsis halotolerans	Nocardiopsis halotolerans DSM 44410
3240	singleton	646564516	Candidatus Punicispirillum marinum	Candidatus Punicispirillum marinum IMCC1322
3241	singleton	2523231049	Thalassobaculum salexigens	Thalassobaculum salexigens DSM 19539
3242	singleton	637000248	Rubrobacter xylanophilus	Rubrobacter xylanophilus DSM 9941
3243	singleton	646311956	Streptobacillus moniliformis	Streptobacillus moniliformis 9901, DSM 12112
3244	singleton	2547132108	Paenibacillus elgii	Paenibacillus elgii B69
3245	singleton	2534681816	Porphyromonas sp.	Porphyromonas sp. oral taxon 279 F0450
3246	singleton	642555118	Candidatus Phytoplasma mali	Candidatus Phytoplasma mali AT
3247	singleton	646564588	Waddlia chondrophila	Waddlia chondrophila WSU 86-1044
3248	singleton	2524614667	Flavobacterium subsaxonicum	Flavobacterium subsaxonicum DSM 21790
3249	singleton	2503707003	Clostridium ragsdalei	Clostridium ragsdalei P11
3250	singleton	638341124	Marinomonas sp.	Marinomonas sp. MED121
3251	singleton	2513237366	Mycoplasma ovipneumoniae	Mycoplasma ovipneumoniae SC01
3252	singleton	2517093003	Porphyromonas bennonis	Porphyromonas bennonis DSM 23058
3253	singleton	646311965	Veillonella parvula	Veillonella parvula Te3, DSM 2008
3254	singleton	2264867192	unclassified	Aminicenantes bacterium SCGC AAA252-N06 (SAK_001_75)
3255	singleton	2545824540	Olleya marilimosa	Olleya marilimosa CAM030
3256	singleton	644736412	Thermococcus sibiricus	Thermococcus sibiricus MM 739
3257	singleton	2519899803	Helicobacter pylori	Helicobacter pylori R046Wa
3258	singleton	2511231141	Alicyclobacillus acidocaldarius	Alicyclobacillus acidocaldarius Tc-4-1
3259	singleton	2264867148	unclassified	Candidatus Microgenomatus auricola SCGC AAA011-E14 (DUSEL_001_182)
3260	singleton	649633091	Rhodospseudomonas palustris	Rhodospseudomonas palustris DX-1
3261	singleton	2548876534	Lentibacillus sp.	Lentibacillus sp. Grbi
3262	singleton	2515154133	Spirosoma luteum	Spirosoma luteum DSM 19990
3263	singleton	2548876505	Mesoflavibacter zeaxanthinifaciens	Mesoflavibacter zeaxanthinifaciens S86
3264	singleton	2515154138	Aurantimonas ureilytica	Aurantimonas ureilytica DSM 18598
3265	singleton	2548876527	Brachybacterium squillarum	Brachybacterium squillarum M-6-3
3266	singleton	2506520047	Bacillus sp.	Bacillus sp. 1NLA3E
3267	singleton	640069319	Methylibium petroleiphilum	Methylibium petroleiphilum PM1
3268	singleton	2541047992	Arcticibacter svalbardensis	Arcticibacter svalbardensis MN12-7
3269	singleton	2510065051	Halostagnicola larsenii	Halostagnicola larsenii XH-48, DSM 17691
3270	singleton	2554235367	Streptomyces collinus	Streptomyces collinus Tu 365
3271	singleton	2264867202	unclassified	Atribacteria bacterium SCGC AAA255-G05 (SAK_001_130)
3272	singleton	2551306137	Pandoraea sp.	Pandoraea sp. B-6
3273	singleton	639857035	Lyngbya sp.	Lyngbya sp. CCY 8106

3274	singleton	2506381024	Caldithrix abyssi	Caldithrix abyssi LF13, DSM 13497
3275	singleton	2515154059	Corynebacterium ulceribovis	Corynebacterium ulceribovis DSM 45146
3276	singleton	2524614801	unclassified	Clostridiales bacterium NK3B98
3277	singleton	649633056	Ilyobacter polytropus	Ilyobacter polytropus CuHbu1, DSM 2926
3278	singleton	2517287022	Methylothermobacter mobilis	Methylothermobacter mobilis #13
3279	singleton	2554235488	Natrinema altunense	Natrinema altunense JCM 12890
3280	singleton	2521172626	Streptomyces sp.	Streptomyces sp. 303MFC05.2
3281	singleton	2547132143	Streptomyces acidiscabies	Streptomyces acidiscabies 84-104
3282	singleton	2522572194	unclassified	Candidatus Nanobsidianus stetteri (Final anotation based on arCOG)
3283	singleton	2513237132	Nitritalea halalkaliphila	Nitritalea halalkaliphila LW7 (Draft1)
3284	singleton	2524614557	Parabacteroides gordonii	Parabacteroides gordonii DSM 23371
3285	singleton	646311932	Gordonia bronchialis	Gordonia bronchialis 3410, DSM 43247
3286	singleton	2529292737	Vibrio splendidus	Vibrio splendidus ATCC 33789
3287	singleton	2515154084	Pontibacter roseus	Pontibacter roseus DSM 17521
3288	singleton	2528768134	Variovorax sp.	Variovorax sp. JGI 0001020-D06 (contamination screened)
3289	singleton	2524023060	Ferrimonas kyonanensis	Ferrimonas kyonanensis DSM 18153
3290	singleton	643692008	Beutenbergia cavernae	Beutenbergia cavernae HKI 0122, DSM 12333
3291	singleton	646564547	Methanocaldococcus infernus	Methanocaldococcus infernus ME
3292	singleton	2551306559	Microbacterium sp.	Microbacterium sp. B19
3293	singleton	2523533617	Paenibacillus harenae	Paenibacillus harenae DSM 16969
3294	singleton	648276736	Streptococcus mitis	Streptococcus mitis SK321
3295	singleton	2528768228	unclassified	Nitrospirae bacterium SCGC AC-708-G08
3296	singleton	638341020	Blastopirellula marina	Blastopirellula marina SH 106T, DSM 3645
3297	singleton	2513237392	Neisseria wadsworthii	Neisseria wadsworthii 9715
3298	singleton	2545824514	Entomoplasma somnilius	Entomoplasma somnilius ATCC 49194
3299	singleton	2551306098	Arthrobacter sp.	Arthrobacter sp. M2012083
3300	singleton	643886011	Wolbachia sp.	Wolbachia sp. wUni (Muscidifurax uniraptor)
3301	singleton	637000341	Wolinella succinogenes	Wolinella succinogenes DSM 1740
3302	singleton	2524023133	unclassified	Gemmatimonadetes bacterium SCGC AB-629-I08
3303	singleton	2523231040	Gordonia malaquae	Gordonia malaquae NBRC 108250
3304	singleton	2524023157	Desulfomicrobium escambiense	Desulfomicrobium escambiense DSM 10707
3305	singleton	647533250	unclassified	Gamma proteobacterium sp. NOR51-B
3306	singleton	2551306157	Nocardia cyriacigeorgica	Nocardia cyriacigeorgica NBRC 100375
3307	singleton	638341199	unclassified	Sphingomonas sp. SKA58
3308	singleton	2513237113	Budvicia aquatica	Budvicia aquatica DSM 5075
3309	singleton	2551306369	Holdemania massiliensis	Holdemania massiliensis AP2
3310	singleton	2524614535	Arsenicococcus bolidensis	Arsenicococcus bolidensis DSM 15745
3311	singleton	2524614677	Nisaea denitrificans	Nisaea denitrificans DSM 18348
3312	singleton	2518285616	Brachymonas chironomi	Brachymonas chironomi DSM 19884
3313	singleton	2501651210	Photobacterium profundum	Photobacterium profundum 3TCK
3314	singleton	2534681625	Rhodopirellula sp.	Rhodopirellula sp. SWK7
3315	singleton	651324104	Streptococcus sp.	Streptococcus sp. oral taxon 056 F0418
3316	singleton	2509601025	Cylindrospermum stagnale	Cylindrospermum stagnale PCC 7417
3317	singleton	2524614574	unclassified	Euryarchaeota archaeon SCGC AB-637-M18
3318	singleton	649633026	Calditerrivibrio nitroreducens	Calditerrivibrio nitroreducens Yu37-1, DSM 19672
3319	singleton	2515154076	Thiobacillus thioparus	Thiobacillus thioparus DSM 505
3320	singleton	2521172634	Kushneria aurantia	Kushneria aurantia DSM 21353
3321	singleton	2541047999	Enterococcus gilvus	Enterococcus gilvus ATCC BAA-350
3322	singleton	637000212	Prochlorococcus marinus	Prochlorococcus marinus NATL2A
3323	singleton	644736366	Eubacterium eligens	Eubacterium eligens ATCC 27750
3324	singleton	643886050	Lactobacillus vaginalis	Lactobacillus vaginalis ATCC 49540
3325	singleton	2517287032	Arthrobacter sp.	Arthrobacter sp. MA-N2
3326	singleton	649633042	Erwinia billingiae	Erwinia billingiae Eb661
3327	singleton	2236876028	unclassified	actinobacterium SCGC AB141-P03
3328	singleton	2529292744	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia AU12-09
3329	singleton	2551306058	Vibrio splendidus	Vibrio splendidus 12E03
3330	singleton	637000119	Geobacter metallireducens	Geobacter metallireducens GS-15
3331	singleton	2511231206	Buchnera aphidicola	Buchnera aphidicola Ak
3332	singleton	642791616	Bacillus pumilus	Bacillus pumilus ATCC 7061
3333	singleton	646206265	Oxalobacter formigenes	Oxalobacter formigenes OXCC13
3334	singleton	2523533533	Hamadaea tsunoensis	Hamadaea tsunoensis DSM 44101
3335	singleton	646206276	Lactobacillus coleohominis	Lactobacillus coleohominis 101-4-CHN
3336	singleton	2503754046	Prevotella multisaccharivorax	Prevotella multisaccharivorax PPPA20, DSM 17128
3337	singleton	2551306147	Alkalibacillus haloalkaliphilus	Alkalibacillus haloalkaliphilus C5
3338	singleton	2529292933	Slackia piriformis	Slackia piriformis YIT 12062
3339	singleton	2541047970	Pseudoalteromonas luteoviolacea	Pseudoalteromonas luteoviolacea B, ATCC 29581
3340	singleton	2510065044	Desulfosporosinus meridiei	Desulfosporosinus meridiei S10, DSM 13257
3341	singleton	2524614597	Arenibacter latericius	Arenibacter latericius DSM 15913
3342	singleton	2513237204	Rhodospirillum photometricum	Rhodospirillum photometricum DSM 122
3343	singleton	2519899809	Agrobacterium tumefaciens	Agrobacterium tumefaciens CCNWS0286
3344	singleton	2516653045	Indibacter alkaliphilus	Indibacter alkaliphilus LW1 (Draft1)
3345	singleton	2531839557	Streptococcus sanguinis	Streptococcus sanguinis SK353
3346	singleton	647533172	Granulicatella elegans	Granulicatella elegans ATCC 700633
3347	singleton	2513237371	Sutterella parvirubra	Sutterella parvirubra YIT 11816
3348	singleton	2236661001	unclassified	actinobacterium SCGC AAA023-J06
3349	singleton	647533210	Simonsiella muelleri	Simonsiella muelleri ATCC 29453
3350	singleton	650377941	Faecalibacterium prausnitzii	Faecalibacterium prausnitzii L2-6
3351	singleton	2519899568	Arthrobacter globiformis	Arthrobacter globiformis NBRC 12137
3352	singleton	2513237151	Burkholderia sp.	Burkholderia sp. WSM2230
3353	singleton	2515154152	Balneola vulgaris	Balneola vulgaris DSM 17893
3354	singleton	2531839708	Micromonospora lupini	Micromonospora lupini Lupac 08
3355	singleton	646564581	Thermobispora bispora	Thermobispora bispora R51, DSM 43833

3356	singleton	2540341224	Entomoplasma luminosum	Entomoplasma luminosum ATCC 49195
3357	singleton	2537561981	Streptococcus sanguinis	Streptococcus sanguinis SK1087
3358	singleton	645058834	Gemella haemolysans	Gemella haemolysans ATCC 10379
3359	singleton	2519899784	Pantoea sp.	Pantoea sp. Sc1
3360	singleton	2537562120	Rhizobium lupini	Rhizobium lupini HPC(L)
3361	singleton	640963035	Roseovarius sp.	Roseovarius sp. TM1035
3362	singleton	2512875010	uncultured archaeon sp.	uncultured archaeon sp. J07HX5
3363	singleton	2506210002	Marinomonas mediterranea	Marinomonas mediterranea MMB-1, ATCC 700492
3364	singleton	2513237378	unclassified	Desulfosporosinus sp. OT
3365	singleton	651324031	Fructobacillus fructosus	Fructobacillus fructosus 353, KCTC 3544
3366	singleton	2547132115	Enterobacter massiliensis	Enterobacter massiliensis JC163
3367	singleton	2537561948	unclassified	Clostridiales sp. OBRC5-5
3368	singleton	2523533550	Flavobacterium frigidarium	Flavobacterium frigidarium DSM 17623
3369	singleton	2537562045	Alcaligenes faecalis	Alcaligenes faecalis faecalis NCIB 8687
3370	singleton	2519103102	Thermoanaerobacterium saccharolyticum	Thermoanaerobacterium saccharolyticum JW/SL-YS485, DSM 8691
3371	singleton	2517434011	Loktanela hongkongensis	Loktanela hongkongensis DSM 17492
3372	singleton	2531839176	Pseudomonas sp.	Pseudomonas sp. M47T1
3373	singleton	2545824523	Listeria marthii	Listeria marthii FSL S4-120
3374	singleton	2508501029	Bacillus sp.	Bacillus sp. J33
3375	singleton	2534682311	Candidatus Glomeribacter gigasporarum	Candidatus Glomeribacter gigasporarum BEG34
3376	singleton	2547132311	Candidatus Odysella thessalonicensis	Candidatus Odysella thessalonicensis L13
3377	singleton	2264867086	unclassified	Calescamantes bacterium JGI 0000106-N5 (GBS-C_001_291)
3378	singleton	2528768222	Bacillus sp.	Bacillus sp. UNC438CL73TsuS30
3379	singleton	2540341199	Balneimonas flocculans	Balneimonas flocculans ATCC BAA-817
3380	singleton	2508501036	Bacillus ginsengihumi	Bacillus ginsengihumi J57
3381	singleton	2540341244	Desulfovibrio cf. magneticus	Desulfovibrio cf. magneticus IFRC170
3382	singleton	639633048	Paracoccus denitrificans	Paracoccus denitrificans PD1222
3383	singleton	2537561836	Rhodanobacter spathiphylli	Rhodanobacter spathiphylli B39
3384	singleton	2524023211	Clostridium sp.	Clostridium sp. MSTE9
3385	singleton	2529292787	Staphylococcus epidermidis	Staphylococcus epidermidis VCU012
3386	singleton	2547132291	Neisseria sicca	Neisseria sicca DS1
3387	singleton	2551306246	Streptococcus suis	Streptococcus suis S22
3388	singleton	2264867010	unclassified	zeta proteobacterium SCGC AB-137-J06
3389	singleton	2546826728	Arthrobacter sp.	Arthrobacter sp. 31Y
3390	singleton	2551306360	Cupriavidus sp.	Cupriavidus sp. BIS7
3391	singleton	2554235232	Exiguobacterium sp.	Exiguobacterium sp. 8-11-1
3392	singleton	645058784	Neisseria flavescens	Neisseria flavescens SK114
3393	singleton	2511231128	Roseburia hominis	Roseburia hominis A2-183, DSM 16839
3394	singleton	2513237349	Dialister succinatiphilus	Dialister succinatiphilus YIT 11850
3395	singleton	645951835	Clostridium hathewayi	Clostridium hathewayi DSM 13479
3396	singleton	2503904012	Sphaerochaeta coccoides	Sphaerochaeta coccoides SPN1, DSM 17374
3397	singleton	2228664025	unclassified	alpha proteobacterium SCGC AAA536-G10
3398	singleton	2264867259	unclassified	Cloacimonetes bacterium JGI 0000039-P09 (TAsludge_001_162)
3399	singleton	2503283020	unclassified	Comamonadaceae bacterium
3400	singleton	2522125101	Colwellia sp.	Colwellia sp. SCGC AC281-L20
3401	singleton	2551306160	Nocardia pneumoniae	Nocardia pneumoniae NBRC 100136
3402	singleton	2547132156	Herbaspirillum massiliense	Herbaspirillum massiliense JC206
3403	singleton	2531839277	Thauera linaloolentis	Thauera linaloolentis 47Lol, DSM 12138
3404	singleton	651324020	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 338 F0234
3405	singleton	2509276028	Oscillatoria acuminata	Oscillatoria acuminata PCC 6304
3406	singleton	2506520048	Synechococcus sp.	Synechococcus sp. PCC 7336
3407	singleton	2554235357	Corynebacterium terpenotabidum	Corynebacterium terpenotabidum Y-11
3408	singleton	2504643024	Pseudomonas fluorescens	Pseudomonas fluorescens HK44 (Draft 1)
3409	singleton	640753057	Thermosiphon melanesiensis	Thermosiphon melanesiensis BI429
3410	singleton	2503113005	unclassified	SAR116 cluster alpha proteobacterium sp. HIMB100
3411	singleton	651324029	Enterobacter hormaechei	Enterobacter hormaechei ATCC 49162
3412	singleton	2502171143	unclassified	Oscillatoriales sp. JSC-1
3413	singleton	649990026	Treponema phagedenis	Treponema phagedenis F0421
3414	singleton	2524023154	Pseudorhodobacter ferrugineus	Pseudorhodobacter ferrugineus DSM 5888
3415	singleton	2529292568	Paenibacillus uliginis	Paenibacillus uliginis N3/975
3416	singleton	2515075009	Rhizobium leguminosarum	Rhizobium leguminosarum bv. viciae 248
3417	singleton	2524614580	Streptomyces sp.	Streptomyces sp. PsTaAH-137
3418	singleton	2516143113	Segetibacter koreensis	Segetibacter koreensis DSM 18137
3419	singleton	2510461066	Candidatus Chlorothrix halophila	Candidatus Chlorothrix halophila
3420	singleton	651285000	Asticcacaulis biprosthicum	Asticcacaulis biprosthicum C19, ATCC 27554
3421	singleton	2504756004	Halicomonobacter hydrossis	Halicomonobacter hydrossis O, DSM 1100
3422	singleton	648028026	Ferrimonas balearica	Ferrimonas balearica PAT, DSM 9799
3423	singleton	2521172561	Demetria terragena	Demetria terragena DSM 11295
3424	singleton	2526164694	Sinobacter flavus	Sinobacter flavus DSM 18980
3425	singleton	2522572100	Microbacterium sp.	Microbacterium sp. URHA0036
3426	singleton	2509276023	Alkaliflexus imshenetskii	Alkaliflexus imshenetskii Z-7010, DSM 15055
3427	singleton	2528311092	Psychromonas arctica	Psychromonas arctica DSM 14288
3428	singleton	2505313027	Pseudomonas syringae	Pseudomonas syringae Pci0788_9
3429	singleton	2529292983	Streptococcus oralis	Streptococcus oralis SK313
3430	singleton	2524614804	Bifidobacterium subtile	Bifidobacterium subtile DSM 20096
3431	singleton	2524614700	Clostridium paraputrificum	Clostridium paraputrificum AGR2156
3432	singleton	2509276065	Deinococcus peraridilitoris	Deinococcus peraridilitoris KR-200, DSM 19664
3433	singleton	642979305	Capnocytophaga sputigena	Capnocytophaga sputigena Capno, ATCC 33612
3434	singleton	646311960	Sulfurospirillum deleyianum	Sulfurospirillum deleyianum 5175, DSM 6946
3435	singleton	2531839355	Acinetobacter baumannii	Acinetobacter baumannii WC-323
3436	singleton	645058794	Legionella drancourtii	Legionella drancourtii LLAP12
3437	singleton	637000237	Rhodospseudomonas palustris	Rhodospseudomonas palustris BisB18

3438	singleton	2510065086	Mesotoga prima	Mesotoga prima MesG1AG4.2
3439	singleton	647533245	Vibrio parahaemolyticus	Vibrio parahaemolyticus 16
3440	singleton	637000094	Desulfotalea psychrophila	Desulfotalea psychrophila L5v54
3441	singleton	2518645609	Streptococcus henryi	Streptococcus henryi DSM 19005
3442	singleton	2521172716	Helicobacter pylori	Helicobacter pylori Aklavik86
3443	singleton	645058793	Weissella paramesenteroides	Weissella paramesenteroides ATCC 33313
3444	singleton	2512047058	Gordonia alkanivorans	Gordonia alkanivorans NBRC 16433
3445	singleton	2537562090	Actinomyces sp.	Actinomyces sp. oral taxon 181 F0379
3446	singleton	2524023172	unclassified	actinobacterium SCGC AAA027-D23
3447	singleton	639857001	Fulvimarina pelagi	Fulvimarina pelagi HTCC2506
3448	singleton	2512047077	Vibrio ichthyenteri	Vibrio ichthyenteri ATCC 700023
3449	singleton	2523533561	Pseudomonas taiwanensis	Pseudomonas taiwanensis DSM 21245
3450	singleton	2537561856	unclassified	Brachyspira sp. 30446
3451	singleton	642979321	Collinsella stercoris	Collinsella stercoris DSM 13279
3452	singleton	646564571	Stackebrandtia nassauensis	Stackebrandtia nassauensis LLR-40K-21, DSM 44728
3453	singleton	2512564014	unclassified	Sphingobium sp. AP49
3454	singleton	646564576	Streptomyces scabiei	Streptomyces scabiei 87.22
3455	singleton	2537562001	Bacillus cereus	Bacillus cereus BAG6X1-2
3456	singleton	640753033	Marinomonas sp.	Marinomonas sp. MWYL1
3457	singleton	2524614648	Oenococcus kitaharae	Oenococcus kitaharae NRIC 0645, DSM 17330
3458	singleton	638154505	Methanocaldococcus jannaschii	Methanocaldococcus jannaschii DSM 2661
3459	singleton	2502422304	Desulfosarcina variabilis	Desulfosarcina variabilis Montpellier
3460	singleton	2548876995	Fischerella muscicola	Fischerella muscicola SAG 1427-1
3461	singleton	2529292502	Rhodococcus sp.	Rhodococcus sp. JG-3
3462	singleton	637000088	Dechloromonas aromatica	Dechloromonas aromatica RCB
3463	singleton	2541047083	Streptococcus oligofermentans	Streptococcus oligofermentans AS 1.3089
3464	singleton	2548877042	Pseudomonas sp.	Pseudomonas sp. HYS
3465	singleton	2551306408	Micrococcus luteus	Micrococcus luteus modasa
3466	singleton	2551306655	unclassified	Azospirillum sp. B4
3467	singleton	2524614850	Streptomyces sp.	Streptomyces sp. TAA486
3468	singleton	2541047001	Treponema socranskii	Treponema socranskii paredis ATCC 35535
3469	singleton	2534681693	Bacillus sp.	Bacillus sp. HYC-10
3470	singleton	2523533606	Flavobacterium filum	Flavobacterium filum DSM 17961
3471	singleton	2522125015	unclassified	Oxalobacteraceae bacterium AB_14
3472	singleton	2511231069	Micavibrio aeruginosavorus	Micavibrio aeruginosavorus ARL-13
3473	singleton	2519899685	Hahella ganghwensis	Hahella ganghwensis DSM 17046
3474	singleton	2551306141	Scytonema hofmanni	Scytonema hofmanni PCC 7110
3475	singleton	650716037	Francisella sp.	Francisella sp. TX077308
3476	singleton	2554235034	Nocardiopsis lucentensis	Nocardiopsis lucentensis DSM 44048
3477	singleton	2517093012	Leucothrix mucor	Leucothrix mucor DSM 2157
3478	singleton	643348575	Shewanella piezotolerans	Shewanella piezotolerans WP3
3479	singleton	650377935	Eubacterium cylindroides	Eubacterium cylindroides T2-87
3480	singleton	2522572171	Candidatus Endolissoclinum patella	Candidatus Endolissoclinum patella L2
3481	singleton	2551306679	Nocardiopsis salina	Nocardiopsis salina YIM 90010
3482	singleton	2518645589	Spirochaeta bajacaliforniensis	Spirochaeta bajacaliforniensis DSM 16054
3483	singleton	649633035	Deinococcus proteolyticus	Deinococcus proteolyticus MRP, DSM 20540
3484	singleton	644736396	Paenibacillus sp.	Paenibacillus sp. JDR-2
3485	singleton	2513237275	Clostridium hathewayi	Clostridium hathewayi WAL-18680
3486	singleton	2548876980	Staphylococcus intermedius	Staphylococcus intermedius NCTC 11048
3487	singleton	2522572193	Thermus antranikianii	Thermus antranikianii DSM 12462
3488	singleton	2521172650	Singularimonas varicoloris	Singularimonas varicoloris DSM 15731
3489	singleton	2534682199	Helicobacter pylori	Helicobacter pylori MALT
3490	singleton	2551306353	Staphylococcus sp.	Staphylococcus sp. AL1
3491	singleton	2510917020	Caulobacter sp.	Caulobacter sp. AP07
3492	singleton	2513237084	Rhizobium leguminosarum	Rhizobium leguminosarum bv viciae UPM1131
3493	singleton	2528768132	Variovorax sp.	Variovorax sp. JGI 0001016-C20 (contamination screened)
3494	singleton	2516143014	Methylophilus sp.	Methylophilus sp. 5
3495	singleton	651324024	unclassified	Desmospora sp. 8437
3496	singleton	649633030	Candidatus Nitrospira defluvii	Candidatus Nitrospira defluvii
3497	singleton	2531839526	Enterovibrio sp.	Enterovibrio sp. AK16
3498	singleton	2505313000	Polynucleobacter necessarius	Polynucleobacter necessarius asymbioticus MWH-MoK4 (closed genome)
3499	singleton	2523533587	Acholeplasma axanthum	Acholeplasma axanthum ATCC 25176
3500	singleton	640753015	Citrobacter koseri	Citrobacter koseri ATCC BAA-895
3501	singleton	646564514	Brachyspira murdochii	Brachyspira murdochii 56-150, DSM 12563
3502	singleton	2264867136	unclassified	Parcubacteria bacterium SCGC AAA036-E14 (CrabSpa_001_178)
3503	singleton	2264867248	unclassified	Thaumarchaeota archaeon SCGC AB-179-E04 (GBS-N_001_221)
3504	singleton	2524023204	Mesoflavibacter zeaxanthinifaciens	Mesoflavibacter zeaxanthinifaciens DSM 18436
3505	singleton	2515154205	Streptomyces sp.	Streptomyces sp. CNH099
3506	singleton	2529293029	Helicobacter pylori	Helicobacter pylori NQ4200
3507	singleton	640963024	Ruminococcus obeum	Ruminococcus obeum ATCC 29174
3508	singleton	2545824733	Holospira undulata	Holospira undulata HU1
3509	singleton	648028034	Hyphomicrobium denitrificans	Hyphomicrobium denitrificans ATCC 51888
3510	singleton	2541047042	unclassified	Leptospira sp. B5-022
3511	singleton	2547132135	Peptoniphilus senegalensis	Peptoniphilus senegalensis JC140
3512	singleton	2519899576	Galbibacter sp.	Galbibacter sp. ck-12-15
3513	singleton	2264867207	unclassified	Atribacteria bacterium SCGC AB-164-D21 (SAK_001_216)
3514	singleton	2551306208	Streptococcus suis	Streptococcus suis 161_00P5
3515	singleton	2506783052	unclassified	halophilic archaeon DL31
3516	singleton	637000313	Synechococcus sp.	Synechococcus sp. JA-3-3Ab
3517	singleton	2265129008	Candidatus Poribacteria sp.	Candidatus Poribacteria sp. WGA-4G (final_clean_version)
3518	singleton	2541046975	Treponema medium	Treponema medium ATCC 700293
3519	singleton	2513237283	Rothia aera	Rothia aera F0474

3520	singleton	2547132181	Enterobacter cloacae	Enterobacter cloacae dissolvens SP1
3521	singleton	650377948	Halanaerobium praevalens	Halanaerobium praevalens GSL, DSM 2228
3522	singleton	2517572088	unclassified	Chloroflexi bacterium JGI 0000112-G22
3523	singleton	649990028	Vibrio brasiliensis	Vibrio brasiliensis CAIM 495, LMG 20546
3524	singleton	2507262055	Bradyrhizobium sp.	Bradyrhizobium sp. WSM1417
3525	singleton	642555145	Orientia tsutsugamushi	Orientia tsutsugamushi Ikeda
3526	singleton	2515154025	Streptococcus ovnis	Streptococcus ovnis DSM 16829
3527	singleton	2524614622	unclassified	candidate division JS1 bacterium SCGC 5329
3528	singleton	2548876808	Psychrobacter sp.	Psychrobacter sp. PAMC 21119
3529	singleton	2528768056	unclassified	Burkholderiales bacterium JGI 0001003-J08 (contamination screened)
3530	singleton	2524023163	Dyadobacter alkalitolerans	Dyadobacter alkalitolerans DSM 23607
3531	singleton	2515154033	Streptococcus caballi	Streptococcus caballi DSM 19004
3532	singleton	2524023250	Azospirillum irakense	Azospirillum irakense DSM 11586
3533	singleton	643692002	Caldicellulosiruptor bescii	Caldicellulosiruptor bescii Z-1320, DSM 6725
3534	singleton	637000309	Prochlorococcus sp.	Prochlorococcus sp. CC9311
3535	singleton	637000156	Basfia succiniciproducens	Basfia succiniciproducens MBEL55E
3536	singleton	2531839578	Bacillus cereus	Bacillus cereus HuA4-10
3537	singleton	2519899802	Helicobacter pylori	Helicobacter pylori R036d
3538	singleton	2524614757	Aliagarivorans taiwanensis	Aliagarivorans taiwanensis DSM 22990
3539	singleton	2236661006	unclassified	actinobacterium SCGC AAA278-118
3540	singleton	2522572153	Thioalkalivibrio sp.	Thioalkalivibrio sp. AKL19
3541	singleton	644736377	Kangiella koreensis	Kangiella koreensis SW-125, DSM 16069
3542	singleton	2513020036	Nitriliruptor alkaliphilus	Nitriliruptor alkaliphilus DSM 45188
3543	singleton	638341059	Dokdonia donghaensis	Dokdonia donghaensis MED134
3544	singleton	2545555866	Borrelia coriaceae	Borrelia coriaceae ATCC 43381
3545	singleton	2517572231	Rhizobium sp.	Rhizobium sp. 2MFC03.1
3546	singleton	2548877031	Marinilabilia salmonicolor	Marinilabilia salmonicolor JCM 21150
3547	singleton	643348564	Methylobacterium nodulans	Methylobacterium nodulans ORS 2060
3548	singleton	2511231024	Pseudomonas sp.	Pseudomonas sp. GM84
3549	singleton	2264867234	unclassified	Marinimicrobia bacterium JGI 0000039-E15 (TASludge_001_150)
3550	singleton	2502171154	unclassified	Thermoplasmata archaeon
3551	singleton	2501651209	Carnobacterium sp.	Carnobacterium sp. AT7
3552	singleton	646311970	Cyanobacterium sp.	Cyanobacterium sp. UCYN-A
3553	singleton	648028053	Spirochaeta thermophila	Spirochaeta thermophila DSM 6192
3554	singleton	2506783006	Niabella soli	Niabella soli JS13-8, DSM 19437
3555	singleton	2524614870	Butyrivibrio sp.	Butyrivibrio sp. AE2015
3556	singleton	2531839094	Thiovulum sp.	Thiovulum sp. ES
3557	singleton	2512875006	Haloquadratum walsbyi	Haloquadratum walsbyi J07HQW2 (version 2)
3558	singleton	648028002	Acetohalobium arabaticum	Acetohalobium arabaticum Z-7288, DSM 5501
3559	singleton	645058857	Streptomyces hygroscopicus	Streptomyces hygroscopicus ATCC 53653
3560	singleton	648028061	Thermosediminibacter oceani	Thermosediminibacter oceani JW/IW-1228P, DSM 16646
3561	singleton	2512047066	Parvimonas sp.	Parvimonas sp. oral taxon 393 F0440
3562	singleton	2264867102	unclassified	Cloacimonetes bacterium SCGC AAA255-L20 (SAK_001_135)
3563	singleton	643348554	Geobacter sp.	Geobacter sp. FRC-32
3564	singleton	2524614704	unclassified	Lachnospiraceae bacterium NK4A179
3565	singleton	649989943	Enterococcus italicus	Enterococcus italicus DSM 15952
3566	singleton	2529293001	Natrinema pallidum	Natrinema pallidum DSM 3751
3567	singleton	2523231015	Veillonella magna	Veillonella magna DSM 19857
3568	singleton	2537562143	Hydrogenophaga sp.	Hydrogenophaga sp. PBC
3569	singleton	2554235206	Gillisia sp.	Gillisia sp. CAL575
3570	singleton	2519899649	Actinomadura atramentaria	Actinomadura atramentaria DSM 43919
3571	singleton	647533207	Scardovia inopinata	Scardovia inopinata F0304
3572	singleton	2524614729	Arenimonas oryzae	Arenimonas oryzae DSM 21050
3573	singleton	647000263	Lactobacillus amyolyticus	Lactobacillus amyolyticus DSM 11664
3574	singleton	2519899674	Propionibacterium sp.	Propionibacterium sp. JGI 0001020-A16
3575	singleton	640612219	Sagittula stellata	Sagittula stellata E-37
3576	singleton	640427137	Rhizobium etli	Rhizobium etli CFN 42, DSM 11541
3577	singleton	2528768087	unclassified	Proteobacteria bacterium JGI 0001002-H11 (contamination screened)
3578	singleton	2537561976	Streptomyces gancidicus	Streptomyces gancidicus BKS 13-15
3579	singleton	2541047027	Photorhabdus temperata	Photorhabdus temperata temperata M1021
3580	singleton	648276688	Methylobacter tundripaludum	Methylobacter tundripaludum SV96
3581	singleton	2516653075	Methylomicrobium buryatense	Methylomicrobium buryatense 5G
3582	singleton	2522125058	unclassified	Sphingomonas sp. JGI 0001014-E16
3583	singleton	2547132114	Dietzia alimentaria	Dietzia alimentaria 72
3584	singleton	640753027	Flavobacterium psychrophilum	Flavobacterium psychrophilum JIP02/86
3585	singleton	641380422	Coprococcus eutactus	Coprococcus eutactus ATCC 27759
3586	singleton	2548876795	Oceanobacillus massiliensis	Oceanobacillus massiliensis Ndiop
3587	singleton	2534682365	Mycoplasma salivarium	Mycoplasma salivarium ATCC 23064
3588	singleton	2548877001	Schlesneria paludicola	Schlesneria paludicola DSM 18645
3589	singleton	2522572053	Delftia sp.	Delftia sp. JGI 0001020-O15
3590	singleton	637000116	Frankia sp.	Frankia sp. Cci3
3591	singleton	649990015	Streptococcus sanguinis	Streptococcus sanguinis VMC66
3592	singleton	637000216	Pseudoalteromonas atlantica	Pseudoalteromonas atlantica T6c
3593	singleton	2541046999	unclassified	Paeniosporosarcina sp. HGH0030
3594	singleton	641228479	Bordetella petrii	Bordetella petrii Se-1111R, DSM 12804
3595	singleton	2504136013	Acidilobus sulfurireducens	Acidilobus sulfurireducens sp. nov.
3596	singleton	2540341105	Methanoculleus bourgensis	Methanoculleus bourgensis MS2
3597	singleton	2524614731	Actinobaculum schaalii	Actinobaculum schaalii DSM 15541
3598	singleton	2522572065	Bacillus ainingensis	Bacillus ainingensis DSM 18341
3599	singleton	2524023180	Kineosphaera limosa	Kineosphaera limosa NBRC 100340
3600	singleton	2263082000	unclassified	Thaumarchaeota archaeon DS1 (Dragon_Thaumarchaeon)
3601	singleton	2513237304	Lactobacillus acidipiscis	Lactobacillus acidipiscis KCTC 13900

3602	singleton	2524614867	Psychromonas hadalis	Psychromonas hadalis ATCC BAA-638
3603	singleton	2524023145	Desulfatirhabdium butyrivorans	Desulfatirhabdium butyrivorans DSM 18734
3604	singleton	649633006	Arthrobacter arilaitensis	Arthrobacter arilaitensis re117, CIP 108037
3605	singleton	638341233	Wolbachia unclassified	Wolbachia endosymbiont of Drosophila simulans
3606	singleton	2537561881	unclassified	Lachnospiraceae bacterium sp. ICM7
3607	singleton	2524614698	Clostridium cadaveris	Clostridium cadaveris AGR2141
3608	singleton	2534681734	Bacillus methanolicus	Bacillus methanolicus PB1
3609	singleton	645058800	Rothia mucilaginoso	Rothia mucilaginoso ATCC 25296
3610	singleton	2541047555	Clostridium sartagoforme	Clostridium sartagoforme AAU1_buffalo
3611	singleton	2524614860	Actinomyces slackii	Actinomyces slackii ATCC 49928
3612	singleton	2264867107	unclassified	Cloacimonetes bacterium SCGC AAA252-F02 (SAK_001_45)
3613	singleton	2547132191	Dietzia sp.	Dietzia sp. UCD-THP
3614	singleton	2509601032	Nostoc sp.	Nostoc sp. PCC 7524
3615	singleton	2502171186	unclassified	Solemya velum gill symbiont (Draft Solemya velum gill symbiont genome)
3616	singleton	2531839038	Formosa sp.	Formosa sp. AK20
3617	singleton	650716088	Streptococcus oralis	Streptococcus oralis Uo5
3618	singleton	649633065	Marivirga tractuosa	Marivirga tractuosa H-43, DSM 4126
3619	singleton	2524614711	Prevotella sp.	Prevotella sp. AGR2160
3620	singleton	647000218	Bulleidia extracta	Bulleidia extracta W1219
3621	singleton	2531839188	Glaciecola arctica	Glaciecola arctica BSS20135
3622	singleton	2551306373	Xanthomonas cassavae	Xanthomonas cassavae CFBP 4642
3623	singleton	2511231057	Candidatus Arthromitus sp.	Candidatus Arthromitus sp. SFB-rat-Yit
3624	singleton	644736368	unclassified	Flavobacteriaceae bacterium 3519-10
3625	singleton	647000303	Raphidiopsis brookii	Raphidiopsis brookii D9
3626	singleton	2514885044	Gordonia amarae	Gordonia amarae NBRC 15530
3627	singleton	2519899653	Rhodonellum psychrophilum	Rhodonellum psychrophilum DSM 17998
3628	singleton	2524614552	Streptomyces sp.	Streptomyces sp. 142MFCol3.1
3629	singleton	2264867181	unclassified	Aminicenantes bacterium SCGC AAA252-G06 (SAK_001_49)
3630	singleton	2528768042	Burkholderia sp.	Burkholderia sp. JGI 0001009-G23 (contamination screened)
3631	singleton	651324108	Weissella cibaria	Weissella cibaria KACC 11862
3632	singleton	649633101	Thermaerobacter marianensis	Thermaerobacter marianensis 7p75a, DSM 12885
3633	singleton	2513237183	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia D457
3634	singleton	2524023232	unclassified	Actinobacteria bacterium SCGC AAA292-A19
3635	singleton	2524614565	Streptomyces sp.	Streptomyces sp. TAA204
3636	singleton	2507262048	Calothrix sp.	Calothrix sp. PCC 7103
3637	singleton	2528768012	Comamonas badia	Comamonas badia DSM 17552
3638	singleton	647533234	Streptomyces sp.	Streptomyces sp. SPB74
3639	singleton	2236347069	unclassified	alpha proteobacterium SCGC AAA028-D10
3640	singleton	651324113	unclassified	gamma proteobacterium IMCC2047
3641	singleton	2515154055	Corynebacterium caspium	Corynebacterium caspium DSM 44850
3642	singleton	640753047	Roseiflexus castenholzii	Roseiflexus castenholzii HLO8, DSM 13941
3643	singleton	2523533619	Pleomorphomonas koreensis	Pleomorphomonas koreensis DSM 23070
3644	singleton	2518645576	Candidatus Nitrosopumilus sp.	Candidatus Nitrosopumilus sp. AR2
3645	singleton	2554235478	Haloferax elongans	Haloferax elongans ATCC BAA-1513
3646	singleton	649990010	Streptococcus parasanguinis	Streptococcus parasanguinis F0405
3647	singleton	2528768063	Caulobacter sp.	Caulobacter sp. JGI 0001041-J05 (contamination screened)
3648	singleton	2506520016	Niastella koreensis	Niastella koreensis GR20-10, DSM 17620
3649	singleton	2509276052	Rhizobium leguminosarum	Rhizobium leguminosarum bv trifolii CC278f
3650	singleton	650716051	Metallosphaera cuprina	Metallosphaera cuprina Ar-4
3651	singleton	2528768166	unclassified	zeta proteobacterium SCGC AC-675-C07
3652	singleton	2523231045	Gordonia rubripertincta	Gordonia rubripertincta NBRC 101908
3653	singleton	644736384	Leptotrichia buccalis	Leptotrichia buccalis C-1013-b, DSM 1135
3654	singleton	2537561903	Afipia felis	Afipia felis felis ATCC 53690
3655	singleton	2545555826	Ruminococcus gnavus	Ruminococcus gnavus AGR2154
3656	singleton	2537561770	Helicobacter pylori	Helicobacter pylori Hp H-45
3657	singleton	2551306171	Nocardia brasiliensis	Nocardia brasiliensis NBRC 14402
3658	singleton	2513020051	Variovorax sp.	Variovorax sp. CF313
3659	singleton	2531839184	unclassified	Planctomycetaceae bacterium KSU-1
3660	singleton	2546825530	Halomonas sp.	Halomonas sp. 23_GOM-1509m
3661	singleton	2524614672	Saccharospirillum impatiens	Saccharospirillum impatiens DSM 12546
3662	singleton	2264867077	unclassified	Feravidbacteria bacterium JGI 0000054-H05 (GBS-A_001_175)
3663	singleton	649989978	Paenibacillus larvae	Paenibacillus larvae larvae B-3650
3664	singleton	2513237116	Alicyclobacillus pomorum	Alicyclobacillus pomorum DSM 14955
3665	singleton	2502171175	Labrenzia sp.	Labrenzia sp. DG1229
3666	singleton	2518285548	Brevibacillus laterosporus	Brevibacillus laterosporus DSM 25
3667	singleton	2503538028	Halothece sp.	Halothece sp. PCC 7418
3668	singleton	2040502012	unclassified	Succinivibrionaceae bacterium WG-1 (Wallaby Group 1 isolate)
3669	singleton	2528768123	unclassified	Sphingomonas sp. JGI 0001003-D23 (contamination screened)
3670	singleton	2503904002	Bacillus simplex	Bacillus simplex I13b11 (Draft1, status 17.November 2010)
3671	singleton	642979368	Enterobacter cancerogenus	Enterobacter cancerogenus ATCC 35316
3672	singleton	643886145	Anaerococcus lactolyticus	Anaerococcus lactolyticus ATCC 51172
3673	singleton	2554235490	Halorubrum tebenquichense	Halorubrum tebenquichense DSM 14210
3674	singleton	2505679008	Flexistipes sinusarabici	Flexistipes sinusarabici MAS10, DSM 4947
3675	singleton	2554235377	Campylobacter sp.	Campylobacter sp. 03-427
3676	singleton	2548876815	Lactobacillus vini	Lactobacillus vini DSM 20605
3677	singleton	2264867249	unclassified	Thermotogae bacterium JGI 0000106-O11 (GBS-C_001_293)
3678	singleton	2545824636	Helicobacter pylori	Helicobacter pylori UM037
3679	singleton	2528768120	unclassified	Sphingomonas sp. JGI 0001002-C18 (contamination screened)
3680	singleton	2524023249	Luteimonas mephitis	Luteimonas mephitis DSM 12574
3681	singleton	2512047088	unclassified	Sporomusa sp. KB1
3682	singleton	2546825533	Bradyrhizobium sp.	Bradyrhizobium sp. URHA0013
3683	singleton	646311962	Thermobaculum terrenum	Thermobaculum terrenum YNP1, ATCC BAA-798

3684	singleton	643886022	<i>Streptococcus salivarius</i>	<i>Streptococcus salivarius</i> SK126
3685	singleton	2512564055	<i>Methanocella conradii</i>	<i>Methanocella conradii</i> HZ254
3686	singleton	2540341149	<i>Micavibrio</i> sp.	<i>Micavibrio</i> sp. EPB
3687	singleton	650716061	<i>Mycobacterium</i> sp.	<i>Mycobacterium</i> sp. JDM601
3688	singleton	2531839260	<i>Natrialba hulunbeirensis</i>	<i>Natrialba hulunbeirensis</i> JCM 10989
3689	singleton	2537562040	<i>Helicobacter pylori</i>	<i>Helicobacter pylori</i> Hp P-16
3690	singleton	2522572196	unclassified	<i>Deltaproteobacteria bacterium</i> SCGC AAA003-F15
3691	singleton	2515154087	<i>Frankia</i> sp.	<i>Frankia</i> sp. BCU110501
3692	singleton	2524023131	unclassified	<i>Acidobacteria bacterium</i> SCGC AB-629-D18
3693	singleton	2524614604	unclassified	<i>zeta proteobacterium</i> SCGC AB-706-B05
3694	singleton	2513237268	<i>Bradyrhizobium</i> sp.	<i>Bradyrhizobium</i> sp. ORS285
3695	singleton	2523231025	unclassified	<i>Comamonadaceae bacterium</i> URHA0028
3696	singleton	2523231060	unclassified	<i>Bacteroidetes bacterium</i> JGI 0000119-L22
3697	singleton	2512875013	<i>Thermocrinis ruber</i>	<i>Thermocrinis ruber</i> DSM 12173
3698	singleton	2524023159	<i>Atopococcus tabaci</i>	<i>Atopococcus tabaci</i> DSM 17538
3699	singleton	2516493024	<i>Methylosinus</i> sp.	<i>Methylosinus</i> sp. LW4
3700	singleton	2264867204	unclassified	<i>Atribacteria bacterium</i> JGI 0000059-I14 (TABiofilm_001_167)
3701	singleton	2547132079	<i>Bacteroides finegoldii</i>	<i>Bacteroides finegoldii</i> CL09T03C10
3702	singleton	650716107	<i>Zymomonas mobilis</i>	<i>Zymomonas mobilis pomaceae</i> Barker 1, ATCC 29192
3703	singleton	2551306299	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y577
3704	singleton	2551306498	<i>Paenibacillus</i> sp.	<i>Paenibacillus</i> sp. PAMC 26794
3705	singleton	647533191	<i>Paenibacillus</i> sp.	<i>Paenibacillus</i> sp. D14
3706	singleton	642791613	<i>Bacteroides coprocola</i>	<i>Bacteroides coprocola</i> M16, DSM 17136
3707	singleton	2554235170	<i>Streptococcus tigurinus</i>	<i>Streptococcus tigurinus</i> 2425
3708	singleton	2524023059	<i>Aquimarina muelleri</i>	<i>Aquimarina muelleri</i> DSM 19832
3709	singleton	2554235503	<i>Halorubrum hochstenium</i>	<i>Halorubrum hochstenium</i> ATCC 700873
3710	singleton	641228501	<i>Prochlorococcus marinus</i>	<i>Prochlorococcus marinus</i> MIT 9211
3711	singleton	2521172615	<i>Kaistia granulii</i>	<i>Kaistia granulii</i> DSM 23481
3712	singleton	2545824520	<i>Listeria ivanovii</i>	<i>Listeria ivanovii</i> FSL F6-596
3713	singleton	2519103046	<i>Henriciella marina</i>	<i>Henriciella marina</i> DSM 19595
3714	singleton	643886015	<i>Actinomyces urogenitalis</i>	<i>Actinomyces urogenitalis</i> DSM 15434
3715	singleton	2551306274	<i>Streptococcus suis</i>	<i>Streptococcus suis</i> Y57
3716	singleton	649633080	<i>Paludibacter propionigenes</i>	<i>Paludibacter propionigenes</i> WB4, DSM 17365
3717	singleton	2228664052	unclassified	<i>gamma proteobacterium</i> SCGC AAA076-D02
3718	singleton	2509601027	<i>Microchaete</i> sp.	<i>Microchaete</i> sp. PCC 7126
3719	singleton	2264867054	unclassified	BRC1 bacterium SCGC AAA257-C11 (Etoliko_001_139)
3720	singleton	2537561513	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i> F2
3721	singleton	2519899660	<i>Epsilonproteobacteria</i> unclassified	<i>epsilon proteobacterium</i> SCGC AB-706-J02
3722	singleton	2524614717	<i>Lachnobacterium bovis</i>	<i>Lachnobacterium bovis</i> NK4B19
3723	singleton	2513237236	<i>Bifidobacterium animalis</i>	<i>Bifidobacterium animalis animalis</i> ATCC 25527
3724	singleton	2537561839	<i>Rhodanobacter thiooxydans</i>	<i>Rhodanobacter thiooxydans</i> LCS2
3725	singleton	2523533548	<i>Chryseobacterium gregarium</i>	<i>Chryseobacterium gregarium</i> DSM 19109
3726	singleton	2513237114	<i>Ignatzschineria larvae</i>	<i>Ignatzschineria larvae</i> DSM 13226
3727	singleton	2537561865	<i>Streptomyces mobaraensis</i>	<i>Streptomyces mobaraensis</i> NBRC 13819
3728	singleton	2534682289	<i>Mycoplasma yeatsii</i>	<i>Mycoplasma yeatsii</i> 13926
3729	singleton	2528311032	unclassified	<i>delta proteobacterium</i> PSCGC 5296
3730	singleton	648276738	<i>Streptococcus mitis</i>	<i>Streptococcus mitis</i> SK597
3731	singleton	2228664039	<i>Flavobacterium</i> sp.	<i>Flavobacterium</i> sp. SCGC AAA160-P02
3732	singleton	2524023199	<i>Rhizobium tropici</i>	<i>Rhizobium tropici</i> CIAT899
3733	singleton	2515154070	<i>Lewinella persica</i>	<i>Lewinella persica</i> DSM 23188
3734	singleton	637000211	<i>Prochlorococcus marinus</i>	<i>Prochlorococcus marinus</i> MIT 9313
3735	singleton	2517093010	<i>Geminicoccus roseus</i>	<i>Geminicoccus roseus</i> DSM 18922
3736	singleton	2523533541	<i>Nocardioides halotolerans</i>	<i>Nocardioides halotolerans</i> DSM 19273
3737	singleton	2503508007	<i>Thermotoga thermarum</i>	<i>Thermotoga thermarum</i> LA3, DSM 5069
3738	singleton	2524023189	unclassified	<i>actinobacterium</i> SCGC AAA044-D11
3739	singleton	639633026	<i>Halorhodospira halophila</i>	<i>Halorhodospira halophila</i> SL1
3740	singleton	2551306151	<i>Pseudomonas luteola</i>	<i>Pseudomonas luteola</i> XLDN4-9
3741	singleton	2523533630	<i>Thermodesulfobivrio thiophilus</i>	<i>Thermodesulfobivrio thiophilus</i> DSM 17215
3742	singleton	2534681746	<i>Campylobacter showae</i>	<i>Campylobacter showae</i> CSUNSWCD
3743	singleton	2540341032	<i>Herbaspirillum frisingense</i>	<i>Herbaspirillum frisingense</i> GSF30
3744	singleton	2524614595	<i>Bacillus chagannorensis</i>	<i>Bacillus chagannorensis</i> DSM 18086
3745	singleton	2513237164	<i>Mesorhizobium loti</i>	<i>Mesorhizobium loti</i> CJ3sym
3746	singleton	2516653047	<i>Rhizobium leguminosarum</i>	<i>Rhizobium leguminosarum</i> bv. viciae TOM
3747	singleton	2554235101	<i>Arthrobacter</i> sp.	<i>Arthrobacter</i> sp. TB 26
3748	singleton	2545824667	<i>Enterococcus pallens</i>	<i>Enterococcus pallens</i> ATCC BAA-351
3749	singleton	2524614660	<i>Gulosibacter molinivorax</i>	<i>Gulosibacter molinivorax</i> DSM 13485
3750	singleton	2516143028	<i>Thioalkalivibrio thiocyanodenitrificans</i>	<i>Thioalkalivibrio thiocyanodenitrificans</i> ARhD 1
3751	singleton	2264867227	unclassified	<i>Aigarchaeota archaeon</i> SCGC AAA471-J08 (GBS-N_001_19)
3752	singleton	2554235365	<i>Pseudomonas putida</i>	<i>Pseudomonas putida</i> NBRC 14164
3753	singleton	643692019	<i>Corynebacterium kroppenstedtii</i>	<i>Corynebacterium kroppenstedtii</i> DSM 44385
3754	singleton	2521172695	<i>Burkholderia cepacia</i>	<i>Burkholderia cepacia</i> GG4
3755	singleton	2537562147	<i>Amycolatopsis azurea</i>	<i>Amycolatopsis azurea</i> DSM 43854
3756	singleton	2506381022	<i>Spirochaeta thermophila</i>	<i>Spirochaeta thermophila</i> Z-1203, DSM 6578
3757	singleton	2507149014	<i>Fervidobacterium pennivorans</i>	<i>Fervidobacterium pennivorans</i> Ven 5, DSM 9078
3758	singleton	2521172591	<i>Hydrocarboniphaga effusa</i>	<i>Hydrocarboniphaga effusa</i> AP103
3759	singleton	2540341156	<i>Mycoplasma cynos</i>	<i>Mycoplasma cynos</i> C142
3760	singleton	2513237123	<i>Capnocytophaga cynodegmi</i>	<i>Capnocytophaga cynodegmi</i> E6447, DSM 19736
3761	singleton	2524614877	<i>Perluclidibaca piscinae</i>	<i>Perluclidibaca piscinae</i> DSM 21586
3762	singleton	2528768209	<i>Meiothermus taiwanensis</i>	<i>Meiothermus taiwanensis</i> DSM 14542
3763	singleton	644736331	<i>Brachybacterium faecium</i>	<i>Brachybacterium faecium</i> 6-10, DSM 4810
3764	singleton	2505679085	<i>Pseudomonas agarici</i>	<i>Pseudomonas agarici</i> NCPPB 2289
3765	singleton	637000192	<i>Nitrobacter hamburgensis</i>	<i>Nitrobacter hamburgensis</i> X14

3766	singleton	650377989	unclassified	Clostridiales sp. SS3/4
3767	singleton	646311954	Spirosoma linguale	Spirosoma linguale DSM 74
3768	singleton	646311908	Bacillus pseudofirmus	Bacillus pseudofirmus OF4
3769	singleton	2515154010	Streptococcus merionis	Streptococcus merionis DSM 19192
3770	singleton	648028013	Caldicellulosiruptor obsidiansis	Caldicellulosiruptor obsidiansis OB47
3771	singleton	646564586	Truepera radiovictrix	Truepera radiovictrix RQ-24, DSM 17093
3772	singleton	2513237213	Selenomonas ruminantium	Selenomonas ruminantium lactilytica TAM6421
3773	singleton	2518645553	Thermococcus sp.	Thermococcus sp. CL1
3774	singleton	2264867265	unclassified	Cloacimonetes bacterium JGI 0000014-D18 (Etoliko_001_274)
3775	singleton	645058719	Corynebacterium tuberculostearicum	Corynebacterium tuberculostearicum SK141
3776	singleton	2236347018	unclassified	actinobacterium SCGC AAA015-D07
3777	singleton	640069310	Desulfotomaculum reducens	Desulfotomaculum reducens MI-1
3778	singleton	2529292584	Bifidobacterium choerinum	Bifidobacterium choerinum DSM 20434
3779	singleton	2505679066	Rhodococcus rhodochrous	Rhodococcus rhodochrous J45
3780	singleton	651285009	Streptococcus sp.	Streptococcus sp. C300
3781	singleton	2503754044	Thermobifida cellulositytica	Thermobifida cellulositytica TB100
3782	singleton	2524023152	Azonexus hydrophilus	Azonexus hydrophilus DSM 23864
3783	singleton	2507262043	Methanolinea tarda	Methanolinea tarda NOBI-1
3784	singleton	2545824734	Phaeosporillum fulvum	Phaeosporillum fulvum MGU-K5
3785	singleton	643886107	Marvinbryantia formatexigens	Marvinbryantia formatexigens I-52, DSM 14469
3786	singleton	640963040	Lentisphaera araneosa	Lentisphaera araneosa HTCC2155
3787	singleton	2512564011	Amycolatopsis halophila	Amycolatopsis halophila YIM 93223, DSM 45216
3788	singleton	649633032	Cellulophaga lytica	Cellulophaga lytica LIM-21, DSM 7489
3789	singleton	644736388	Methylotenera mobilis	Methylotenera mobilis JLW8
3790	singleton	644736326	Anaerococcus prevotii	Anaerococcus prevotii PC 1, DSM 20548
3791	singleton	2264867113	unclassified	Cloacimonetes bacterium SCGC AAA252-L05 (SAK_001_66)
3792	singleton	2521172628	Streptomyces sp.	Streptomyces sp. 351MFTsu.5.1
3793	singleton	2504557005	Pseudanabaena sp.	Pseudanabaena sp. PCC 7429
3794	singleton	2523533559	Haliea salexigens	Haliea salexigens DSM 19537
3795	singleton	2529292555	Bradyrhizobium japonicum	Bradyrhizobium japonicum 22
3796	singleton	2541047089	Paenibacillus alvei	Paenibacillus alvei A6-6i-x
3797	singleton	643692021	Desulfobacterium autotrophicum	Desulfobacterium autotrophicum HRM2, DSM 3382
3798	singleton	650716079	Pyrococcus sp.	Pyrococcus sp. NA2
3799	singleton	646311901	Acidaminococcus fermentans	Acidaminococcus fermentans VR4, DSM 20731
3800	singleton	2519899588	Staphylococcus arlettae	Staphylococcus arlettae CVD059
3801	singleton	649989995	Segniliparus rugosus	Segniliparus rugosus ATCC BAA-974
3802	singleton	2523231067	Pleomorphomonas oryzae	Pleomorphomonas oryzae DSM 16300
3803	singleton	2264867067	unclassified	Diapherotrites archaean SCGC AAA011-E11 (DUSEL_001_206)
3804	singleton	2510065008	Rivularia sp.	Rivularia sp. PCC 7116
3805	singleton	2513237291	Treponema sp.	Treponema sp. JC4
3806	singleton	2510065083	Patulibacter minatonensis	Patulibacter minatonensis KV-614, DSM 18081
3807	singleton	2522125094	Delftia sp.	Delftia sp. JGI 0001019-G07
3808	singleton	647533185	Micromonospora carbonacea	Micromonospora carbonacea var. africana. ATCC 39149
3809	singleton	2264867190	unclassified	Aminicenantes bacterium SCGC AAA252-L02 (SAK_001_64)
3810	singleton	2509887032	Halonatronum saccharophilum	Halonatronum saccharophilum Z-7986, DSM 13868
3811	singleton	649633049	Geobacter sp.	Geobacter sp. M18
3812	singleton	640427104	Bradyrhizobium sp.	Bradyrhizobium sp. ORS278
3813	singleton	2528311049	unclassified	Firmicutes bacterium SCGC AC-310-P16
3814	singleton	2512564009	Leisingera methylohalidivorans	Leisingera methylohalidivorans MB2, DSM 14336
3815	singleton	2531839561	Streptococcus sanguinis	Streptococcus sanguinis SK49
3816	singleton	2504643007	Candidatus Rhodoluna lacticola	Candidatus Rhodoluna lacticola MWH-Ta8 (Sequence finished Aug. 2010)
3817	singleton	2508501109	Aciduliprofundum sp.	Aciduliprofundum sp. MAR08-339
3818	singleton	2511231003	unclassified	Herbaspirillum sp. CF444
3819	singleton	648028014	Candidatus Sulcia muelleri	Candidatus Sulcia muelleri CARI
3820	singleton	2528768224	unclassified	zeta proteobacterium SCGC AC-673-B17
3821	singleton	2524614585	Jeotgaliococcus psychrophilus	Jeotgaliococcus psychrophilus DSM 19085
3822	singleton	2522572049	unclassified	delta proteobacterium JGI 0000059-O15
3823	singleton	2516493018	Mycobacterium sp.	Mycobacterium sp. 155
3824	singleton	646564505	Arcanobacterium haemolyticum	Arcanobacterium haemolyticum CCM, DSM 20595
3825	singleton	2551306358	Acinetobacter sp.	Acinetobacter sp. TG19627
3826	singleton	2515154141	Nonomuraea coxensis	Nonomuraea coxensis DSM 45129
3827	singleton	2513237354	Pantoea stewartii	Pantoea stewartii stewartii DC283
3828	singleton	2519899598	Aeromonas media	Aeromonas media WS
3829	singleton	2528768070	unclassified	Comamonadaceae bacterium JGI 0001013-A16 (contamination screened)
3830	singleton	2534682313	Pseudomonas pseudoalcaligenes	Pseudomonas pseudoalcaligenes CECT 5344
3831	singleton	2524023063	unclassified	Actinobacteria bacterium SCGC AC-312-N20
3832	singleton	2547132134	Anaerococcus senegalensis	Anaerococcus senegalensis JC48
3833	singleton	2513237139	Bradyrhizobium japonicum	Bradyrhizobium japonicum USDA 4
3834	singleton	2524023179	unclassified	actinobacterium SCGC AAA028-N15
3835	singleton	647533200	Pseudovibrio sp.	Pseudovibrio sp. JE062
3836	singleton	2516143110	Agrobacterium albertimagni	Agrobacterium albertimagni AOL15
3837	singleton	645058791	Yersinia ruckeri	Yersinia ruckeri ATCC 29473
3838	singleton	647000258	Grimontia hollisae	Grimontia hollisae CIP 101886
3839	singleton	646311935	Halotheobacillus neapolitanus	Halotheobacillus neapolitanus c2, ATCC 23641
3840	singleton	2506520025	Moorella perchloratireducens	Moorella perchloratireducens An10
3841	singleton	2513237323	Prevotella sp.	Prevotella sp. C561
3842	singleton	2510065010	unclassified	Oscillatoriales sp. JSC-12
3843	singleton	642979316	Desulfovibrio piger	Desulfovibrio piger ATCC 29098
3844	singleton	2540341172	Wolbachia sp.	Wolbachia endosymbiont of Drosophila simulans wNo
3845	singleton	643348558	Helicobacter pylori	Helicobacter pylori G27
3846	singleton	2531839550	Streptococcus tigurinus	Streptococcus tigurinus AZ_3a
3847	singleton	2522125108	Cycloclasticus sp.	Cycloclasticus sp. SCGC AC281-I03

3848	singleton	637000311	Prochlorococcus sp.	Prochlorococcus sp. CC9902
3849	singleton	2551306054	Gluconobacter frateurii	Gluconobacter frateurii NBRC 101659
3850	singleton	648861011	Peptoniphilus sp.	Peptoniphilus sp. F0131
3851	singleton	641228511	Thermotoga lettingae	Thermotoga lettingae TMO
3852	singleton	647000225	Citromicrobium bathyomarinum	Citromicrobium bathyomarinum JL354
3853	singleton	2508501100	Rhizobium leguminosarum	Rhizobium leguminosarum bv trifolii WSM2297
3854	singleton	2537561732	unclassified	Novosphingobium sp. Rr 2-17
3855	singleton	2541047017	Streptomyces sp.	Streptomyces sp. HPH0547
3856	singleton	2554235383	Spiroplasma diminutum	Spiroplasma diminutum CUAS-1
3857	singleton	2517572236	Halomonas zhanjiangensis	Halomonas zhanjiangensis DSM 21076
3858	singleton	2522572102	Flavobacterium sp.	Flavobacterium sp. URHB0058
3859	singleton	2528768115	Rhizobium sp.	Rhizobium sp. JGI 001014-115 (contamination screened)
3860	singleton	2534682076	Streptococcus oralis	Streptococcus oralis SK610
3861	singleton	651324036	Gluconacetobacter sp.	Gluconacetobacter sp. SXCC-1
3862	singleton	644736350	Desulfomicrobium baculatum	Desulfomicrobium baculatum X, DSM 4028
3863	singleton	2534682046	Helicobacter pylori	Helicobacter pylori Hp A-11
3864	singleton	2523533527	Actinomyces vaccimaxillae	Actinomyces vaccimaxillae DSM 15804
3865	singleton	637000135	Hyphomonas neptunium	Hyphomonas neptunium ATCC 15444
3866	singleton	642555112	Burkholderia phymatum	Burkholderia phymatum STM815
3867	singleton	2537562245	unclassified	Marinimicrobia bacterium JGI 0000113-D11
3868	singleton	2515154052	Anaerophaga sp.	Anaerophaga sp. HS1
3869	singleton	2517572135	unclassified	candidate division SR1 bacterium taxon 345 1OR1 (recoded II)
3870	singleton	2512047056	Citromicrobium sp.	Citromicrobium sp. JLT1363
3871	singleton	2517572122	Arthrobacter sp.	Arthrobacter sp. 131MFC06.1
3872	singleton	2511231148	unclassified	uncultured marine group II euryarchaeote
3873	singleton	2264867084	unclassified	Calescamantes bacterium JGI 0000106-J16 (GBS-C_001_289)
3874	singleton	2523533608	Lactobacillus harbinensis	Lactobacillus harbinensis DSM 16991
3875	singleton	2551306489	Cellulosimicrobium cellulans	Cellulosimicrobium cellulans LMG 16121
3876	singleton	2511231135	Wigglesworthia glossinidia	Wigglesworthia glossinidia endosymbiont of Glossina morsitans
3877	singleton	2529292992	Comamonas testosteroni	Comamonas testosteroni ATCC 11996
3878	singleton	2551306249	Streptococcus suis	Streptococcus suis Y556
3879	singleton	641522643	Opiritus terrae	Opiritus terrae PB90-1
3880	singleton	2528768098	Rhizobium sp.	Rhizobium sp. JGI 0001002-C21 (contamination screened)
3881	singleton	2519899633	Variovorax paradoxus	Variovorax paradoxus 110B
3882	singleton	640427126	Novosphingobium aromaticivorans	Novosphingobium aromaticivorans DSM 12444
3883	singleton	2524023082	unclassified	Planctomycetes bacterium SCGC AB-663-A20
3884	singleton	641522613	Cenarchaeum symbiosum	Cenarchaeum symbiosum A
3885	singleton	2517572175	Pseudomonas sp.	Pseudomonas sp. FGI182
3886	singleton	2503283022	Candidatus Pelagibacter ubique	Candidatus Pelagibacter ubique SAR11 HTCC9565
3887	singleton	2517572146	Acaricomes phytoseiuli	Acaricomes phytoseiuli DSM 14247
3888	singleton	2528768036	unclassified	Beta proteobacterium JGI 0001013-N12 (contamination screened)
3889	singleton	640753031	Kineococcus radiotolerans	Kineococcus radiotolerans SRS30216
3890	singleton	2524614686	Selenomonas ruminantium	Selenomonas ruminantium ATCC 12561
3891	singleton	2510065046	Methylocapsa acidiphila	Methylocapsa acidiphila B2
3892	singleton	2526164527	Marinobacter daeopensis	Marinobacter daeopensis DSM 16072
3893	singleton	651324066	Leuconostoc argentinum	Leuconostoc argentinum LL76, KCTC 3773
3894	singleton	638341093	unclassified	Flavobacteria bacterium BBFL7
3895	singleton	650377973	Sphaerochaeta globosa	Sphaerochaeta globosa Buddy
3896	singleton	2519899635	Paenibacillus fonticola	Paenibacillus fonticola DSM 21315
3897	singleton	2523231010	Marmoricola sp.	Marmoricola sp. URHB0036
3898	singleton	2551306481	Porphyrobacter sp.	Porphyrobacter sp. AAP82
3899	singleton	648028024	Dickeya dadantii	Dickeya dadantii 3937
3900	singleton	2515154150	Streptomyces sp.	Streptomyces sp. CNH189
3901	singleton	2540341241	Hippea medeae	Hippea medeae KM1
3902	singleton	2236661017	unclassified	Verrucomicrobia bacterium SCGC AAA300-K03
3903	singleton	2510065019	Rhizobium leguminosarum	Rhizobium leguminosarum bv trifolii WSM1689
3904	singleton	2513237373	Streptococcus sp.	Streptococcus sp. oral taxon 058 F0407
3905	singleton	641736123	Burkholderia ubonensis	Burkholderia ubonensis Bu
3906	singleton	646311943	Methanobrevibacter ruminantium	Methanobrevibacter ruminantium M1
3907	singleton	2522125157	Salinimicrobium terrae	Salinimicrobium terrae DSM 17865
3908	singleton	2508501038	Desulfovibrio sp.	Desulfovibrio sp. U5L
3909	singleton	2512564033	Blastococcus saxosidens	Blastococcus saxosidens DD2
3910	singleton	2554235466	Halobiforma nitratireducens	Halobiforma nitratireducens JCM 10879
3911	singleton	2519899770	Sideroxydans unclassified	bacterium SCGC AAA018-L18
3912	singleton	643886142	Porphyromonas uenonis	Porphyromonas uenonis 60-3
3913	singleton	2511231172	Nocardia cyriacigeorgica	Nocardia cyriacigeorgica GUH-2
3914	singleton	2540341068	Corynebacterium maris	Corynebacterium maris DSM 45190
3915	singleton	650716095	Thermoanaerobacterium xylanolyticum	Thermoanaerobacterium xylanolyticum LX-11, DSM 7097
3916	singleton	646311967	Xanthomonas albilineans	Xanthomonas albilineans GPE PC73
3917	singleton	2519899800	Helicobacter pylori	Helicobacter pylori R32b
3918	singleton	2523533535	Glycomyces arizonensis	Glycomyces arizonensis DSM 44726
3919	singleton	2518285614	unclassified	Firmicutes bacterium JGI 0000119-C08
3920	singleton	2511231112	Blattabacterium sp.	Blattabacterium sp. Cpu
3921	singleton	647000257	Gluconacetobacter hansenii	Gluconacetobacter hansenii ATCC 23769
3922	singleton	637000059	Candidatus Protochlamydia amoebophila	Candidatus Protochlamydia amoebophila UWE25
3923	singleton	649990023	Synechococcus sp.	Synechococcus sp. CB0205
3924	singleton	2528311129	Nocardia sp.	Nocardia sp. CNY236
3925	singleton	2547132100	Acinetobacter sp.	Acinetobacter sp. P8-3-8
3926	singleton	2514752030	Escherichia hermannii	Escherichia hermannii NBRC 105704
3927	singleton	645058763	Clostridium papyrosolvens	Clostridium papyrosolvens DSM 2782
3928	singleton	2517572008	Sulfurovum sp.	Sulfurovum sp. SCGC AAA036-O23
3929	singleton	2548876524	Halomonas boliviensis	Halomonas boliviensis LC1

3930	singleton	2554235289	Mycobacterium sp.	Mycobacterium sp. UM_WGJ
3931	singleton	2511231011	Pseudomonas sp.	Pseudomonas sp. GM30
3932	singleton	2513237338	unclassified	Lachnospiraceae bacterium ACC2
3933	singleton	2264867257	unclassified	Cloacimonetes bacterium JGI 0000039-117 (TAsludge_001_155)
3934	singleton	2534682115	Halorubrum lipolyticum	Halorubrum lipolyticum DSM 21995
3935	singleton	2236661010	unclassified	alpha proteobacterium SCGC AAA536-B06
3936	singleton	642555121	Chlorobium limicola	Chlorobium limicola DSM 245
3937	singleton	2524614512	Saxeibacter lacteus	Saxeibacter lacteus DSM 19367
3938	singleton	646311920	Dickeya dadantii	Dickeya dadantii Ech586
3939	singleton	2545824688	Brevibacillus borstelensis	Brevibacillus borstelensis AK1
3940	singleton	2551306162	Nocardia thailandica	Nocardia thailandica NBRC 100428
3941	singleton	2547132158	Pantoea agglomerans	Pantoea agglomerans IG1
3942	singleton	2523533569	Desulfurobacterium sp.	Desulfurobacterium sp. TC5-1
3943	singleton	2517572244	Thiomicrospira halophila	Thiomicrospira halophila DSM 15072
3944	singleton	2528768128	Variovorax sp.	Variovorax sp. JGI 0001013-L10 (contamination screened)
3945	singleton	2513237281	unclassified	Flavobacteriaceae bacterium HQM9
3946	singleton	2517093018	Enterobacter cloacae	Enterobacter cloacae IIT-BT 08
3947	singleton	2515154041	unclassified	Candidatus Methanoperedens nitroreducens ANME-2d (ANME_V10)
3948	singleton	2514752031	Streptomyces sp.	Streptomyces sp. W007
3949	singleton	637000316	Syntrophomonas wolfei	Syntrophomonas wolfei Goettingen, DSM 2245B
3950	singleton	2529293184	Cesiribacter andamanensis	Cesiribacter andamanensis AMV16
3951	singleton	2546825531	Alcanivorax sp.	Alcanivorax sp. 43B_GOM-46m
3952	singleton	2528768165	unclassified	zeta proteobacterium SCGC AC-673-N02
3953	singleton	642487181	Thermotoga sp.	Thermotoga sp. RQ2
3954	singleton	2523533616	Bacillus gelatini	Bacillus gelatini DSM 15865
3955	singleton	2548876798	Mycobacterium mageritense	Mycobacterium mageritense JR2009
3956	singleton	2526164675	Helicobacter pylori	Helicobacter pylori Hp H-43
3957	singleton	2513237101	Bradyrhizobium elkanii	Bradyrhizobium elkanii WSM1741
3958	singleton	2517287025	Paracoccus sp.	Paracoccus sp. N5
3959	singleton	2541047098	Pseudomonas sp.	Pseudomonas sp. CF149
3960	singleton	2524614570	Sphingopyxis baekryungensis	Sphingopyxis baekryungensis DSM 16222
3961	singleton	2526164511	Butyrivibrio sp.	Butyrivibrio sp. AE3009
3962	singleton	2513237387	Rhodococcus pyridinivorans	Rhodococcus pyridinivorans AK37
3963	singleton	2547132196	Salinibacillus aidingensis	Salinibacillus aidingensis MSP4
3964	singleton	2509601011	Anaerobaculum mobile	Anaerobaculum mobile NGA, DSM 13181
3965	singleton	2554235420	Candidatus Saccharimonas aalborgensis	Candidatus Saccharimonas aalborgensis
3966	singleton	2264867163	unclassified	Omnitrophica bacterium SCGC AAA252-B19 (SAK_001_34)
3967	singleton	2524023243	Ruminococcus gauvreauii	Ruminococcus gauvreauii DSM 19829
3968	singleton	2541047152	Bartonella schoenbuchensis	Bartonella schoenbuchensis m07a
3969	singleton	643348509	Arthrobacter chlorophenolicus	Arthrobacter chlorophenolicus A6
3970	singleton	2524614699	Clostridium clostridioforme	Clostridium clostridioforme AGR2157
3971	singleton	647000236	Desulfovibrio sp.	Desulfovibrio sp. FW1012B
3972	singleton	2521172611	Shewanella loihica	Shewanella loihica PV-4
3973	singleton	643348542	Dictyoglomus thermophilum	Dictyoglomus thermophilum H-6-12, ATCC 35947
3974	singleton	2508501050	Microvirga lupini	Microvirga lupini Lut6
3975	singleton	2511231122	Flavobacterium columnare	Flavobacterium columnare ATCC 49512
3976	singleton	646311913	Citrobacter rodentium	Citrobacter rodentium ICC168
3977	singleton	2513237306	Oribacterium sp.	Oribacterium sp. ACB7
3978	singleton	2547132470	Carnimonas nigrificans	Carnimonas nigrificans ATCC BAA-78
3979	singleton	2513237186	Halobacillus halophilus	Halobacillus halophilus DSM 2266
3980	singleton	2534682028	Streptomyces coelicoflavus	Streptomyces coelicoflavus ZG0656
3981	singleton	639633056	Roseobacter denitrificans	Roseobacter denitrificans OCh 114
3982	singleton	2516653036	Methanobacterium sp.	Methanobacterium sp. Maddingley MBC34
3983	singleton	641736179	Verrucomicrobium spinosum	Verrucomicrobium spinosum DSM 4136
3984	singleton	641736205	Alistipes putredinis	Alistipes putredinis DSM 17216
3985	singleton	637000187	Natronomonas pharaonis	Natronomonas pharaonis Gabara, DSM 2160
3986	singleton	643886152	Pectobacterium carotovorum	Pectobacterium carotovorum brasiliensis PBR1692
3987	singleton	2528768230	unclassified	Sporosarcina sp. EUR3 2.2.2
3988	singleton	2519103005	Polynucleobacter unclassified	beta proteobacterium SCGC AAA027-C02
3989	singleton	2264867262	unclassified	Cloacimonetes bacterium JGI 0000059-P03 (TABiofilm_001_173)
3990	singleton	2524023149	Agrococcus lahaulensis	Agrococcus lahaulensis DSM 17612
3991	singleton	2505679073	Methanocella arvoryzae	Methanocella arvoryzae MRE50 (reannotation)
3992	singleton	2517572022	Methylocystis sp.	Methylocystis sp. SB2
3993	singleton	2534682290	Leptospira wolffii	Leptospira wolffii Khorat-H2
3994	singleton	2513237301	Peptoniphilus indolicus	Peptoniphilus indolicus ATCC 29427
3995	singleton	2515154196	Meganema perideroedes	Meganema perideroedes DSM 15528
3996	singleton	2523231017	Algoriphagus vanfongensis	Algoriphagus vanfongensis DSM 17529
3997	singleton	2531839682	Burkholderia sp.	Burkholderia sp. SJ98
3998	singleton	2529293282	Rhodococcus ruber	Rhodococcus ruber BKS 20-38
3999	singleton	2524023151	Tepidiphilus margaritifer	Tepidiphilus margaritifer DSM 15129
4000	singleton	2551306499	Nafulsella turpanensis	Nafulsella turpanensis ZLM-10
4001	singleton	2516143000	Fischerella sp.	Fischerella sp. PCC 9605
4002	singleton	2519103183	Flavobacterium rivuli	Flavobacterium rivuli DSM 21788
4003	singleton	2541047509	Anoxybacillus sp.	Anoxybacillus sp. SK3-4
4004	singleton	2524614577	Streptomyces sp.	Streptomyces sp. PsTAAH-130
4005	singleton	2517572150	Paenibacillus sanguinis	Paenibacillus sanguinis DSM 16941
4006	singleton	2527291512	unclassified	Algae archaeota archaeon SCGC AAA471-E14 (Combined_Assembly_pSL4_3_pSL4)
4007	singleton	2519899672	Gordonia kroppenstedtii	Gordonia kroppenstedtii DSM 45133
4008	singleton	651324040	Halomonas sp.	Halomonas sp. TD01
4009	singleton	649633007	Asticcacaulis excentricus	Asticcacaulis excentricus CB 48
4010	singleton	2264867090	unclassified	EM3 bacterium JGI 0000106-B10 (GBS-C_001_280)
4011	singleton	2506783011	Candidatus Frankia datiscae	Candidatus Frankia datiscae Dg1

4012	singleton	2527291511	unclassified	Aigarchaeota archaeon SCGC AAA471-D15 (Combined_Assembly_pSL4_2_pSL4)
4013	singleton	2551306131	Reyranela massiliensis	Reyranela massiliensis 521, DSM 23428
4014	singleton	641380424	Oceanibulbus indolifex	Oceanibulbus indolifex HEL-45
4015	singleton	2537561891	Photobacterium sp.	Photobacterium sp. AK15
4016	singleton	2517093043	Succinispira mobilis	Succinispira mobilis DSM 6222
4017	singleton	2524614718	Butyrivibrio sp.	Butyrivibrio sp. VCB2006
4018	singleton	2531839549	Rhodopirellula maiorica	Rhodopirellula maiorica SM1
4019	singleton	2519899640	Salinicoccus albus	Salinicoccus albus DSM 19776
4020	singleton	2512564005	Methylophaga frappieri	Methylophaga frappieri JAM7
4021	singleton	2551306425	Pseudomonas fluorescens	Pseudomonas fluorescens BS2
4022	singleton	2517287031	Methyloversatilis sp.	Methyloversatilis sp. NVD
4023	singleton	2551306128	Corynebacterium timonense	Corynebacterium timonense 5401744
4024	singleton	2513237362	Streptococcus sp.	Streptococcus sp. SK643
4025	singleton	2522125077	Epsilonproteobacteria unclassified	epsilon proteobacterium SCGC AB-137-G14
4026	singleton	2551306473	Pedobacter arcticus	Pedobacter arcticus A12
4027	singleton	2522125057	Caulobacter vibrioides	Caulobacter crescentus OR37
4028	singleton	2501846309	Chlorobaculum limnaeum	Chlorobaculum limnaeum DSM 1677
4029	singleton	640427103	Bradyrhizobium sp.	Bradyrhizobium sp. BTAi1
4030	singleton	2528768071	Cupriavidus sp.	Cupriavidus sp. JGI 0001016-D21 (contamination screened)
4031	singleton	646311963	Thermomonospora curvata	Thermomonospora curvata DSM 43183
4032	singleton	2516493027	Sphingomonas phyllosphaerae	Sphingomonas phyllosphaerae FA2
4033	singleton	2512047061	Idiomarina sp.	Idiomarina sp. A28L
4034	singleton	638341246	Agreia sp.	Agreia sp. PHSC20C1
4035	singleton	2500868051	Spirochaeta aurantia	Spirochaeta aurantia aurantia M1
4036	singleton	651324026	Dysgonomonas gadei	Dysgonomonas gadei ATCC BAA-286
4037	singleton	2523533597	Actinomyces dentalis	Actinomyces dentalis DSM 19115
4038	singleton	2526164533	Halomonas halocynthiae	Halomonas halocynthiae DSM 14573
4039	singleton	639857034	unclassified	Marine gamma proteobacterium sp. HTCC2143
4040	singleton	644736397	Pectobacterium carotovorum	Pectobacterium carotovorum carotovorum PC1
4041	singleton	2531839286	Massilia timonae	Massilia timonae CCUG 45783
4042	singleton	2511231117	Pyrobaculum sp.	Pyrobaculum sp. 1860
4043	singleton	2537561952	Mycoplasma auris	Mycoplasma auris 15026
4044	singleton	638341134	Nitrobacter sp.	Nitrobacter sp. Nb-311A
4045	singleton	640069326	Pyrobaculum calidifontis	Pyrobaculum calidifontis JCM 11548
4046	singleton	2510461053	Acetivibrio cellulolyticus	Acetivibrio cellulolyticus CD2, DSM 1870 (ORNL annotation)
4047	singleton	640963033	Bacillus sp.	Bacillus sp. SG-1
4048	singleton	2534682204	Clostridium colicanis	Clostridium colicanis 209318
4049	singleton	643348538	Desulfovibrio desulfuricans	Desulfovibrio desulfuricans desulfuricans ATCC 27774
4050	singleton	649990011	Streptococcus peroris	Streptococcus peroris ATCC 700780
4051	singleton	2513237119	Thermocrisum municipale	Thermocrisum municipale DSM 44069
4052	singleton	2551306121	Virgibacillus halodenitrificans	Virgibacillus halodenitrificans 1806
4053	singleton	2523533507	Pseudomonas sp.	Pseudomonas sp. URM017WK12:112
4054	singleton	2545555820	Shewanella fidelis	Shewanella fidelis ATCC BAA-318
4055	singleton	2547132131	Bacillus vallismortis	Bacillus vallismortis DV1-F-3
4056	singleton	650377969	Ruminococcus sp.	Ruminococcus sp. 18P13
4057	singleton	650716058	Microlunatus phosphovoros	Microlunatus phosphovoros NM-1
4058	singleton	2541046981	Streptomyces turgidiscabies	Streptomyces turgidiscabies Car8
4059	singleton	2524614692	Butyrivibrio sp.	Butyrivibrio sp. WCD3002
4060	singleton	2537561923	Bacillus bataviensis	Bacillus bataviensis LMG 21833
4061	singleton	2541046972	Cedecea davisae	Cedecea davisae DSM 4568
4062	singleton	2264867229	unclassified	Aigarchaeota archaeon JGI 0000106-J15 (GBS-C_001_288)
4063	singleton	2519899668	Luteibacter sp.	Luteibacter sp. 22Crub2.1
4064	singleton	642555144	Nostoc punctiforme	Nostoc punctiforme PCC 73102
4065	singleton	644736327	Atopobium parvulum	Atopobium parvulum IPP 1246, DSM 20469
4066	singleton	2524614726	Hellea balneolensis	Hellea balneolensis DSM 19091
4067	singleton	637000244	Rickettsia felis	Rickettsia felis URRWXCa2
4068	singleton	2524614639	Actinoalloteichus cyanogriseus	Actinoalloteichus cyanogriseus DSM 43889
4069	singleton	2514752000	Nitratireductor aquiobiodomus	Nitratireductor aquiobiodomus RA22 (Draft1)
4070	singleton	2511231065	Pseudovibrio sp.	Pseudovibrio sp. FO-BEG1
4071	singleton	2547132153	Alistipes obesi	Alistipes obesi pH8
4072	singleton	2541047100	Pseudomonas sp.	Pseudomonas sp. CF161
4073	singleton	637000092	Deinococcus radiodurans	Deinococcus radiodurans ATCC BAA-816
4074	singleton	638154522	Thermoplasma volcanium	Thermoplasma volcanium GSS1
4075	singleton	2547132290	Neisseria sicca	Neisseria sicca 4320
4076	singleton	642979318	Providencia rustigianii	Providencia rustigianii DSM 4541
4077	singleton	2551306180	Nocardia concava	Nocardia concava NBRC 100430
4078	singleton	637000081	Colwellia psychrerythraea	Colwellia psychrerythraea 34H
4079	singleton	2512047065	Mycoplasma columbinum	Mycoplasma columbinum SF7
4080	singleton	637000128	Hahella chejuensis	Hahella chejuensis KCTC 2396
4081	singleton	2523231026	Desulfovibrio cuneatus	Desulfovibrio cuneatus DSM 11391
4082	singleton	2509601034	Frateuria aurantia	Frateuria aurantia Kondo 67, DSM 6220
4083	singleton	637000149	Leifsonia xyli	Leifsonia xyli CTCB07
4084	singleton	648028033	Herbaspirillum seropedicae	Herbaspirillum seropedicae SmR1
4085	singleton	2515154023	Streptococcus entericus	Streptococcus entericus DSM 14446
4086	singleton	2537561905	Afipia broomeae	Afipia broomeae ATCC 49717
4087	singleton	2265129009	unclassified	Poribacteria bacterium WGA-3G (final_clean_version)
4088	singleton	2554235005	Streptomyces violaceusniger	Streptomyces violaceusniger SPC6
4089	singleton	2523231037	Gordonia amicalis	Gordonia amicalis NBRC 100051
4090	singleton	2554235461	Aeropyrum camini	Aeropyrum camini SY1, JCM 12091
4091	singleton	651324017	Caldalkalibacillus thermanum	Caldalkalibacillus thermanum TA2.A1
4092	singleton	649989906	Aggregatibacter segnis	Aggregatibacter segnis ATCC 33393
4093	singleton	2512047035	Oceanimonas sp.	Oceanimonas sp. GK1

4094	singleton	2513237272	Ruegeria sp.	Ruegeria sp. TW15
4095	singleton	646564503	Aminobacterium colombiense	Aminobacterium colombiense ALA-1, DSM 12261
4096	singleton	637000199	Nostoc sp.	Nostoc sp. PCC 7120
4097	singleton	2531839339	Selenomonas sp.	Selenomonas sp. oral taxon 138 F0429
4098	singleton	2507262027	Methylosinus trichosporium	Methylosinus trichosporium OB3b
4099	singleton	2509276031	Microcoleus sp.	Microcoleus sp. PCC 7113
4100	singleton	644736405	Slackia heliotrinireducens	Slackia heliotrinireducens RHS 1, DSM 20476
4101	singleton	647533205	Sulfitobacter sp.	Sulfitobacter sp. GAI101
4102	singleton	2513237312	Bradyrhizobium sp.	Bradyrhizobium sp. STM 3809
4103	singleton	642555149	Prosthecochloris aestuarii	Prosthecochloris aestuarii SK413, DSM 271
4104	singleton	2513237339	Commensalibacter intestini	Commensalibacter intestini A911
4105	singleton	2501651205	Colwellia sp.	Colwellia sp. MT41
4106	singleton	2540341087	Phycisphaera mikurensis	Phycisphaera mikurensis NBRC 102666
4107	singleton	2502171156	Thermus brockianus	Thermus brockianus (Permanent Draft)
4108	singleton	2522125086	Succinimonas amylolytica	Succinimonas amylolytica DSM 2873
4109	singleton	2517487003	Clostridium acidurici	Clostridium acidurici 9a, DSM 604
4110	singleton	2537561960	Pasteurella bettyae	Pasteurella bettyae CCUG 2042
4111	singleton	2548877066	Streptomyces globisporus	Streptomyces globisporus C-1027
4112	singleton	2506783009	Halovivax ruber	Halovivax ruber XH-70, DSM 18193
4113	singleton	646564569	Sideroxydans lithotrophicus	Sideroxydans lithotrophicus ES-1
4114	singleton	251989952	Lactobacillus florum	Lactobacillus florum 2F
4115	singleton	2521172654	Empedobacter brevis	Empedobacter brevis ATCC 43319
4116	singleton	2537562099	Helicobacter pylori	Helicobacter pylori Hp H-9
4117	singleton	2554235227	Arthrobacter sp.	Arthrobacter sp. PAO19
4118	singleton	647533109	Alcanivorax sp.	Alcanivorax sp. DG881
4119	singleton	639633038	Methanoseta thermophila	Methanoseta thermophila PT
4120	singleton	2518645614	Thermus scotoductus	Thermus scotoductus DSM 8553
4121	singleton	650716009	Amycolicococcus subflavus	Amycolicococcus subflavus DQ53-9A1
4122	singleton	2551306166	Nocardia tenerifensis	Nocardia tenerifensis NBRC 101015
4123	singleton	2515075013	Amycolatopsis nigrescens	Amycolatopsis nigrescens CSC17Ta-90, DSM 44992
4124	singleton	649633044	Eubacterium limosum	Eubacterium limosum KIST612
4125	singleton	2513237098	Bradyrhizobium elkanii	Bradyrhizobium elkanii WSM2783
4126	singleton	2522572047	Geopsychrobacter electrodiphilus	Geopsychrobacter electrodiphilus DSM 16401
4127	singleton	649633031	Cellulophaga algicola	Cellulophaga algicola IC166, DSM 14237
4128	singleton	638341240	Yersinia intermedia	Yersinia intermedia ATCC 29909
4129	singleton	2531839224	Pseudomonas pseudoalcaligenes	Pseudomonas pseudoalcaligenes KF707
4130	singleton	2527291524	unclassified	Cloacimonetes bacterium JGI 0000039-A21 (Combined_Assembly_WWE1_2_WWE1)
4131	singleton	2517093004	Kordiimonas gwangyangensis	Kordiimonas gwangyangensis DSM 19435
4132	singleton	2537562046	Methylacidiphilum fumarolicum	Methylacidiphilum fumarolicum SolV
4133	singleton	2528768220	Actinokineospora inagensis	Actinokineospora inagensis DSM 44258
4134	singleton	2264867074	unclassified	Fervidibacteria bacterium JGI 0000001-B9 (GBS-A_001_114)
4135	singleton	2540341237	unclassified	bacterium JKG1
4136	singleton	2523533536	Chryseobacterium daeguense	Chryseobacterium daeguense DSM 19388
4137	singleton	2507262011	Synechococcus sp.	Synechococcus sp. KORDI-49 (genome sequencing)
4138	singleton	2264867138	unclassified	Parcubacteria bacterium SCGC AAA011-A09 (DUSEL_001_189)
4139	singleton	2519899620	Rhizobium sp.	Rhizobium sp. Pop5
4140	singleton	2547132122	Streptomyces chartreusis	Streptomyces chartreusis NRRL 12338
4141	singleton	641228496	Methanococcus maripaludis	Methanococcus maripaludis C6
4142	singleton	648861017	Streptomyces svceus	Streptomyces svceus ATCC 29083
4143	singleton	2524023209	Rhizobium tropici	Rhizobium leucaena USDA 9039
4144	singleton	2513237092	Bradyrhizobium japonicum	Bradyrhizobium sp. WSM1743
4145	singleton	2551306656	Methylobacterium sp.	Methylobacterium sp. B1
4146	singleton	650716033	Desulfotomaculum ruminis	Desulfotomaculum ruminis DL, DSM 2154
4147	singleton	2519103050	unclassified	Diapherotrites archaean SCGC AAA011-N19 ((DUSEL_002_272))
4148	singleton	647533198	Prevotella sp.	Prevotella sp. F0108
4149	singleton	2528768193	unclassified	Ignavibacteriaceae bacterium SCGC AC-197-114
4150	singleton	2531839092	Leptospira wolbachii	Leptospira wolbachii sv. Codice CDC
4151	singleton	2524614658	Photobacterium halotolerans	Photobacterium halotolerans DSM 18316
4152	singleton	2512047076	Veillonella sp.	Veillonella sp. F0422
4153	singleton	2534681985	Streptococcus mitis	Streptococcus mitis SK1080
4154	singleton	2513237358	Facklamia languida	Facklamia languida CCUG 37842
4155	singleton	2524023129	Paenibacillus pinihumii	Paenibacillus pinihumii DSM 23905
4156	singleton	2504557012	Treponema succinifaciens	Treponema succinifaciens 6091, DSM 2489
4157	singleton	650716001	Acidianus hospitalis	Acidianus hospitalis W1
4158	singleton	2541047000	Corynebacterium pyruviciproducens	Corynebacterium pyruviciproducens ATCC BAA-1742
4159	singleton	646564559	Planctomyces limnophilus	Planctomyces limnophilus Mu 290, DSM 3776
4160	singleton	2537561679	Helicobacter pylori	Helicobacter pylori Hp A-27
4161	singleton	2524614684	Bifidobacterium pseudolongum	Bifidobacterium pseudolongum AGR2145
4162	singleton	643886032	Bacillus cereus	Bacillus cereus R309803
4163	singleton	640963022	Eubacterium ventriosum	Eubacterium ventriosum ATCC 27560
4164	singleton	2518645587	Duganella zoogloeooides	Duganella zoogloeooides ATCC 25935
4165	singleton	2524614629	Eudoraea uncultured	Eudoraea sp. SCGC 5250
4166	singleton	2548876990	Ureibacillus thermosphaericus	Ureibacillus thermosphaericus Thermo-BF
4167	singleton	2522572178	Legionella moravica	Legionella moravica DSM 19234
4168	singleton	2508501004	Geobacillus sp.	Geobacillus sp. C56-T2
4169	singleton	2524023219	Amphibacillus xylanus	Amphibacillus xylanus NBRC 15112
4170	singleton	2523533600	Aestuariimicrobium kwangyangense	Aestuariimicrobium kwangyangense DSM 21549
4171	singleton	2524614866	Psychromonas aquimarina	Psychromonas aquimarina ATCC BAA-1526
4172	singleton	2554235496	Halorubrum sp.	Halorubrum californiensis DSM 19288
4173	singleton	2551306117	Paenibacillus sp.	Paenibacillus sp. OSY-SE
4174	singleton	2513237277	Alistipes indistinctus	Alistipes indistinctus YIT 12060
4175	singleton	2509601008	Methanomethylovorans hollandica	Methanomethylovorans hollandica DSM 15978

4176	singleton	2513237146	Rhizobium mongolense	Rhizobium mongolense USDA 1844
4177	singleton	2517572076	Mesorhizobium loti	Mesorhizobium loti NZP2037
4178	singleton	2548876982	Pseudomonas sp.	Pseudomonas sp. R62
4179	singleton	643692023	Exiguobacterium sp.	Exiguobacterium sp. AT1b
4180	singleton	2506783050	unclassified	Thiomicrospira sp. JR2
4181	singleton	2531839471	Haemophilus haemolyticus	Haemophilus haemolyticus HK386, ATCC 33390
4182	singleton	2547132149	Anaerococcus sp.	Anaerococcus vaginalis PH9
4183	singleton	2529292792	Haemophilus haemolyticus	Haemophilus haemolyticus M19107
4184	singleton	642555139	Methylobacterium populi	Methylobacterium populi BJ001
4185	singleton	2519103114	Enterobacter cloacae	Enterobacter cloacae dissolvens SDM
4186	singleton	642791612	Borrelia spielmanii	Borrelia spielmanii A145
4187	singleton	2523231061	Gelidibacter mesophilus	Gelidibacter mesophilus DSM 14095
4188	singleton	2526164525	Gordonia hirsuta	Gordonia hirsuta DSM 44140
4189	singleton	2509276062	Solitalea canadensis	Solitalea canadensis USAM 9D, DSM 3403
4190	singleton	2528768034	Bacteroidetes unclassified	Bacteroidetes bacterium JGI 0001001-A08 (contamination screened)
4191	singleton	2548876686	Mycobacterium avium	Mycobacterium avium avium Env 77
4192	singleton	643692037	Staphylococcus carnosus	Staphylococcus carnosus carnosus TM300
4193	singleton	641522649	Shewanella woodyi	Shewanella woodyi MS32, ATCC 51908
4194	singleton	2519103105	Tistrella mobilis	Tistrella mobilis KA081020-065
4195	singleton	2515154156	Corynebacterium propinquum	Corynebacterium propinquum DSM 44285
4196	singleton	2264867251	unclassified	Latescibacteria bacterium SCGC AAA257-K07 (Etoliko_001_145)
4197	singleton	648028022	Dehalogenimonas lykanthroporepellens	Dehalogenimonas lykanthroporepellens BL-DC-9
4198	singleton	2264867014	unclassified	zeta proteobacterium SCGC AB-133-C04
4199	singleton	2540341066	Flavobacterium indicum	Flavobacterium indicum GPTSA100-9
4200	singleton	2503198000	Mesorhizobium opportunistum	Mesorhizobium opportunistum WSM2075 (final version from ORNL)
4201	singleton	2523533529	Sporosarcina ureae	Sporosarcina ureae DSM 2281
4202	singleton	2264867172	unclassified	Aminicenantes bacterium JGI 0000014-B08 (Etoliko_001_226)
4203	singleton	2524614864	Mycoplasma moatsii	Mycoplasma moatsii ATCC 27625
4204	singleton	2513237397	Acaryochloris sp.	Acaryochloris sp. CCME 5410
4205	singleton	2528768100	Rhizobium sp.	Rhizobium sp. JGI 0001003-A11 (contamination screened)
4206	singleton	2534681959	Streptococcus infantis	Streptococcus infantis X
4207	singleton	2548876812	Pseudomonas extremaustralis	Pseudomonas extremaustralis 14-3 sub14-3b
4208	singleton	2534682339	Leptospira weilii	Leptospira weilii sv. Topaz LT2116
4209	singleton	2264867199	unclassified	Aminicenantes bacterium SCGC AAA252-P13 (SAK_001_91)
4210	singleton	2264867124	unclassified	Cloacimonetes bacterium SCGC AAA252-P14 (SAK_001_92)
4211	singleton	2515154172	Thermus igniterrae	Thermus igniterrae ATCC 700962
4212	singleton	2531839352	Acinetobacter baumannii	Acinetobacter baumannii WC-141
4213	singleton	2513237375	Actinomyces graevenitzi	Actinomyces graevenitzi C83
4214	singleton	651324034	Gemella haemolysans	Gemella haemolysans M341
4215	singleton	643886075	Citrobacter youngae	Citrobacter youngae ATCC 29220
4216	singleton	649989911	Bacillus sp.	Bacillus sp. M3-13
4217	singleton	648028003	Acidilobus saccharovorans	Acidilobus saccharovorans 345-15
4218	singleton	637000170	Mycobacterium leprae	Mycobacterium leprae TN
4219	singleton	2522125136	Streptomyces sp.	Streptomyces sp. WMMB 714
4220	singleton	2523533557	Aurantimonas coralica	Aurantimonas coralica DSM 14790
4221	singleton	642979371	Clostridium hiranonis	Clostridium hiranonis TO-931 DSM 13275
4222	singleton	637000195	Nitrosomonas europaea	Nitrosomonas europaea ATCC 19718
4223	singleton	2522572099	Mesorhizobium sp.	Mesorhizobium sp. URHA0056
4224	singleton	2512564013	Brevibacillus sp.	Brevibacillus sp. BC25
4225	singleton	2510436000	Chamaesiphon minutus	Chamaesiphon minutus PCC 6605
4226	singleton	648276750	Streptomyces violaceusniger	Streptomyces violaceusniger Tu 4113
4227	singleton	2554235381	Spiroplasma syphidicola	Spiroplasma syphidicola EA-1
4228	singleton	2515154197	Streptomyces scabrisporus	Streptomyces scabrisporus DSM 41855
4229	singleton	2554235425	Geobacillus sp.	Geobacillus sp. JF8
4230	singleton	2513237298	Campylobacter sp.	Campylobacter sp. 10_1_50
4231	singleton	2524614539	Ponticaulis koreensis	Ponticaulis koreensis DSM 19734
4232	singleton	2540341248	Ruminococcus flavefaciens	Ruminococcus flavefaciens AE3010
4233	singleton	2515154211	Erysipelothrix tonsillarum	Erysipelothrix tonsillarum DSM 14972
4234	singleton	646564577	Syntrophothermus lipocalidus	Syntrophothermus lipocalidus DSM 12680
4235	singleton	650716081	Ramlibacter tataouinensis	Ramlibacter tataouinensis TTB310
4236	singleton	637000205	Pelodictyon luteolum	Pelodictyon luteolum DSM 273
4237	singleton	2508501043	Desulfovibrio termitidis	Desulfovibrio termitidis H1
4238	singleton	2503982041	unclassified	alpha proteobacterium sp. HIMB59
4239	singleton	641522611	Candidatus Korarchaeum cryptofilum	Candidatus Korarchaeum cryptofilum OPF8
4240	singleton	2534682332	Desulfovibrio magneticus	Desulfovibrio magneticus Maddingley MBC34
4241	singleton	2547132518	Tenacibaculum sp.	Tenacibaculum sp. 47A_GOM-205m
4242	singleton	642555114	Candidatus Amoebophilus asiaticus	Candidatus Amoebophilus asiaticus 5a2
4243	singleton	639633044	Mycobacterium vanbaalenii	Mycobacterium vanbaalenii PYR-1
4244	singleton	2551306075	Vibrio splendidus	Vibrio splendidus ZS-139
4245	singleton	2524614760	Leminorella grimontii	Leminorella grimontii DSM 5078
4246	singleton	2528311065	unclassified	Firmicutes bacterium SCGC AC-310-I07
4247	singleton	640196209	Microscilla marina	Microscilla marina ATCC 23134
4248	singleton	2515154143	Sciscionella marina	Sciscionella marina DSM 45152
4249	singleton	2264867177	unclassified	Aminicenantes bacterium SCGC AAA252-D18 (SAK_001_40)
4250	singleton	2554235441	Ralstonia sp.	Ralstonia pickettii DTP0602
4251	singleton	647533183	Methylophaga thiooxydans	Methylophaga thiooxydans DMS010
4252	singleton	651324061	Lactobacillus fructivorans	Lactobacillus fructivorans W2, KCTC 3543
4253	singleton	646311948	Pirellula staleyi	Pirellula staleyi DSM 6068
4254	singleton	2524023142	Thermodesulfobacterium hveragerdense	Thermodesulfobacterium hveragerdense DSM 12571
4255	singleton	2551306688	Pseudomonas fluorescens	Pseudomonas fluorescens Pf29Arp
4256	singleton	2511231001	Acidovorax sp.	Acidovorax sp. CF316
4257	singleton	2518645620	Selenomonas bovis	Selenomonas bovis DSM 23594

4258	singleton	2523231030	Desulfovibrio putealis	Desulfovibrio putealis DSM 16056
4259	singleton	2545824680	Amycolatopsis vancoresmycina	Amycolatopsis vancoresmycina DSM 44592
4260	singleton	2521172696	Actinobacillus suis	Actinobacillus suis H91-0380
4261	singleton	2509601021	Leptolyngbya sp.	Leptolyngbya sp. 2LT21S03 (Solid & 454 Clean assembly draft 1)
4262	singleton	2264867057	unclassified	Caldiserica bacterium JGI 0000059-M03 (TAbiofilm_001_171)
4263	singleton	650716043	Krokinobacter diaphorus	Krokinobacter diaphorus 4H-3-7-5
4264	singleton	640612220	Roseobacter sp.	Roseobacter sp. SK209-2-6
4265	singleton	2537562235	Helicobacter pylori	Helicobacter pylori Hp A-14
4266	singleton	2537561907	Klebsiella oxytoca	Klebsiella oxytoca 10-5250
4267	singleton	2524614583	Marinactinospora thermotolerans	Marinactinospora thermotolerans DSM 45154
4268	singleton	648276759	unclassified	delta proteobacterium NaphS2
4269	singleton	2513237262	Corynebacterium casei	Corynebacterium casei UCMA 3821
4270	singleton	2554235286	Mycobacterium sp.	Mycobacterium sp. UM_CSW
4271	singleton	2524614637	unclassified	Sulfolobales archaeon Acd1
4272	singleton	642791621	Bacteroides intestinalis	Bacteroides intestinalis 341, DSM 17393
4273	singleton	2508501107	Thiocapsa marina	Thiocapsa marina 5811, DSM 5653
4274	singleton	2506210031	Pseudomonas fluorescens	Pseudomonas fluorescens NZ052
4275	singleton	646311933	Haliangium ochraceum	Haliangium ochraceum SMP-2, DSM 14365
4276	singleton	2529292925	Thalassospira profundimaris	Thalassospira profundimaris WPO211
4277	singleton	2531839309	Arthrobacter sp.	Arthrobacter sp. SJCon
4278	singleton	637000103	Erythrobacter litoralis	Erythrobacter litoralis HTCC2594
4279	singleton	2537562247	Thiomicrospira chilensis	Thiomicrospira chilensis DSM 12352
4280	singleton	2519899789	Bartonella alsatica	Bartonella alsatica IBS 382
4281	singleton	2264867210	unclassified	Atribacteria bacterium SCGC AB-164-A22 (SAK_001_219)
4282	singleton	638341060	Chlorobium ferrooxidans	Chlorobium ferrooxidans DSM 13031
4283	singleton	2537561837	Rhodanobacter sp.	Rhodanobacter sp. 115
4284	singleton	2506783059	Thioflavococcus mobilis	Thioflavococcus mobilis 8321
4285	singleton	2528768191	unclassified	Ignavibacteriaceae bacterium SCGC AC-197-L07
4286	singleton	2545824766	Bacteriovorax sp.	Bacteriovorax sp. BSW11_IV
4287	singleton	2531839282	Mycoplasma arginini	Mycoplasma arginini 7264
4288	singleton	2264867201	unclassified	Atribacteria bacterium SCGC AAA255-E04 (SAK_001_124)
4289	singleton	2264867082	unclassified	Calescamantes bacterium JGI 0000106-117 (GBS-C_001_286)
4290	singleton	638341183	Roseovarius nubinhibens	Roseovarius nubinhibens ISM
4291	singleton	650377991	Marinobacter adhaerens	Marinobacter adhaerens HP15, DSM 23420
4292	singleton	640612205	Marinobacter sp.	Marinobacter sp. ELB17
4293	singleton	2264867108	unclassified	Cloacimonetes bacterium SCGC AAA252-G07 (SAK_001_50)
4294	singleton	2541047531	Streptococcus mitis	Streptococcus mitis 13/39
4295	singleton	2264867206	unclassified	Atribacteria bacterium SCGC AB-164-P05 (SAK_001_215)
4296	singleton	2506520014	Spirulina major	Spirulina major PCC 6313
4297	singleton	648276709	Pelagibaca bermudensis	Pelagibaca bermudensis HTCC2601
4298	singleton	642555108	Borrelia hermsii	Borrelia hermsii DAH
4299	singleton	648028035	Ignisphaera aggregans	Ignisphaera aggregans AQ1.S1, DSM 17230
4300	singleton	637000012	Aromatoleum aromaticum	Aromatoleum aromaticum EbN1
4301	singleton	2228664054	unclassified	gamma proteobacterium SCGC AAA160-D02
4302	singleton	2524614662	Brevibacterium album	Brevibacterium album DSM 18261
4303	singleton	2545824725	Elizabethkingia meningoseptica	Elizabethkingia meningoseptica ATCC 13253
4304	singleton	2524614808	Aneurinibacillus terranovensis	Aneurinibacillus terranovensis DSM 18919
4305	singleton	2551306190	Pseudomonas sp.	Pseudomonas sp. CBZ-4
4306	singleton	2513237152	Caloramator sp.	Caloramator sp. ALD01
4307	singleton	2515154016	Catelliglobospora koreensis	Catelliglobospora koreensis DSM 44566
4308	singleton	2531839684	Helicobacter pylori	Helicobacter pylori Hp H-11
4309	singleton	2545824723	Rhodococcus rhodnii	Rhodococcus rhodnii LMG 5362
4310	singleton	2554235457	Haemophilus influenzae	Haemophilus influenzae KR494
4311	singleton	638341215	Synechococcus sp.	Synechococcus sp. WH7805
4312	singleton	650716014	Burkholderia rhizoxinica	Burkholderia rhizoxinica HKI 454
4313	singleton	2551306483	Sandarakinorhabdus sp.	Sandarakinorhabdus sp. AAP62
4314	singleton	2523231081	Salipiger mucosus	Salipiger mucosus DSM 16094 (scaffold version)
4315	singleton	2503508009	Mahella australiensis	Mahella australiensis 50-1 BON, DSM 15567
4316	singleton	2521172630	Mycobacterium sp.	Mycobacterium sp. 360MFTsu.1
4317	singleton	2528768146	Solimonas soli	Solimonas soli DSM 21787
4318	singleton	647533249	unclassified	Gamma proteobacterium sp. NOR5-3
4319	singleton	2524023176	unclassified	beta proteobacterium SCGC AAA027-K21
4320	singleton	2551306164	Streptomyces sp.	Streptomyces sp. AA0539
4321	singleton	2510461070	Terriglobus roseus	Terriglobus roseus KBS 63, DSM 18391
4322	singleton	651324079	Oribacterium sp.	Oribacterium sp. oral taxon 108 F0425
4323	singleton	2524023191	Lacticingenium naphtae	Lacticingenium naphtae DSM 19658
4324	singleton	2516493013	Paenibacillus alvei	Paenibacillus alvei DSM 29
4325	singleton	2508501136	Desulfosporosinus orientis	Desulfosporosinus orientis Singapore I, DSM 765
4326	singleton	649989989	Prevotella salivae	Prevotella salivae DSM 15606
4327	singleton	2519899509	Rudaea cellulositytica	Rudaea cellulositytica DSM 22992
4328	singleton	643886197	Bacteroides coprophilus	Bacteroides coprophilus DSM 18228
4329	singleton	2513020052	Flavobacterium sp.	Flavobacterium sp. CF136
4330	singleton	2505679030	Runella slithyformis	Runella slithyformis LSU4, DSM 19594
4331	singleton	2519103179	Polaribacter franzmannii	Polaribacter franzmannii ATCC 700399
4332	singleton	646564564	Rhodococcus opacus	Rhodococcus opacus B4
4333	singleton	2551306067	Vibrio rumoiensis	Vibrio rumoiensis 1S-45
4334	singleton	2529293120	Helicobacter pylori	Helicobacter pylori Hp H-28
4335	singleton	2524023187	Agromyces subbeticus	Agromyces subbeticus DSM 16689
4336	singleton	2528768117	Rhizobium sp.	Rhizobium sp. JGI 0001036-A06 (contamination screened)
4337	singleton	2518285534	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALMg11
4338	singleton	2534681747	Pseudoalteromonas sp.	Pseudoalteromonas sp. BSI20652
4339	singleton	648028048	Paenibacillus polymyxa	Paenibacillus polymyxa E681

4340	singleton	646311961	Thermanaerovibrio acidaminovorans	Thermanaerovibrio acidaminovorans Su883, DSM 6589
4341	singleton	2517093006	Porphyromonas macacae	Porphyromonas macacae DSM 20710
4342	singleton	2511231144	Burkholderia sp.	Burkholderia sp. Y123
4343	singleton	2515154145	Flexithrix dorotheae	Flexithrix dorotheae DSM 6795
4344	singleton	2541046957	Aminiphilus circumscriptus	Aminiphilus circumscriptus DSM 16581
4345	singleton	638341179	Rickettsiella grylli	Rickettsiella grylli
4346	singleton	2526164512	Azovibrio restrictus	Azovibrio restrictus DSM 23866
4347	singleton	651324072	Methylophaga aminisulfidivorans	Methylophaga aminisulfidivorans MP, KCTC 12909
4348	singleton	2529292746	Helicobacter pylori	Helicobacter pylori R030b
4349	singleton	2518645555	Enterobacter cloacae	Enterobacter cloacae cloacae ENHKU01
4350	singleton	2515154092	Desulfurispora thermophila	Desulfurispora thermophila DSM 16022
4351	singleton	2523533622	Lactobacillus psittaci	Lactobacillus psittaci DSM 15354
4352	singleton	2531839570	Rhodopirellula europaea	Rhodopirellula europaea 6C
4353	singleton	2512564091	Desulfurella acetivorans	Desulfurella acetivorans A63, DSM 5264
4354	singleton	644736370	Geobacillus sp.	Geobacillus sp. WCH70
4355	singleton	644736399	Photorhabdus asymbiotica	Photorhabdus asymbiotica asymbiotica ATCC 43949
4356	singleton	2524023136	Salinimicrobium xinjiangense	Salinimicrobium xinjiangense DSM 19287
4357	singleton	2524023079	unclassified	Nitrospirae bacterium SCGC AB-219-C22
4358	singleton	2509887034	Clostridium alkalicellulosi	Clostridium alkalicellulosi Z-7026, DSM 17461
4359	singleton	2522125023	unclassified	Burkholderiales bacterium JGI 0001003-118
4360	singleton	2528768111	Rhizobium sp.	Rhizobium sp. JGI 001012-K08 (contamination screened)
4361	singleton	2531839649	Acinetobacter sp.	Acinetobacter sp. ANC 4050
4362	singleton	2521172603	Nocardia sp.	Nocardia sp. BMG111209
4363	singleton	2540341170	Desulfovibrio piezophilus	Desulfovibrio piezophilus C1TLV30, DSM 21447
4364	singleton	2518645625	Alicyclobacillus pohliae	Alicyclobacillus pohliae DSM 22757
4365	singleton	2541047011	Actinomyces sp.	Actinomyces sp. HPA0247
4366	singleton	651324047	unclassified	Lachnospiraceae bacterium 1_4_56FAA
4367	singleton	2513237121	Corynebacterium sputi	Corynebacterium sputi DSM 45148
4368	singleton	2512564071	Helicobacter pylori	Helicobacter pylori ELS37
4369	singleton	2522125001	Pedobacter unclassified	Pedobacter_Hanford_SCG P17 (Hanford SCG P17)
4370	singleton	2523533578	Gemella cuniculi	Gemella cuniculi DSM 15828
4371	singleton	2515154078	Thiobacillus denitrificans	Thiobacillus denitrificans DSM 12475
4372	singleton	648276633	Corynebacterium genitalium	Corynebacterium genitalium ATCC 33030
4373	singleton	2551306354	Rhodococcus sp.	Rhodococcus sp. R1101
4374	singleton	2503283018	unclassified	marine bacterium Betaproteobacteria HIMB624
4375	singleton	643692032	Rhizobium sp.	Ensifer fredii NGR234
4376	singleton	2521172612	Curtobacterium sp.	Curtobacterium sp. 314Chir4.1
4377	singleton	2505119042	Thermodesulfatator indicus	Thermodesulfatator indicus CIR29812, DSM 15286
4378	singleton	649633077	Oceanithermus profundus	Oceanithermus profundus 506, DSM 14977
4379	singleton	644736376	Jonesia denitrificans	Jonesia denitrificans 55134, DSM 20603
4380	singleton	2524614607	Streptococcus devriesei	Streptococcus devriesei DSM 19639
4381	singleton	2515154073	Dasania marina	Dasania marina DSM 21967
4382	singleton	2522125013	unclassified	Marinimicrobia bacterium SCGC AAA011-A05 ((DUSEL_002_181))
4383	singleton	2547132148	Senegalemassilia JC110	Senegalemassilia anaerobia JC110
4384	singleton	649989970	Lautropia mirabilis	Lautropia mirabilis ATCC 51599
4385	singleton	649633081	Pantoea sp.	Pantoea sp. At-9b
4386	singleton	643692050	Sulfurihydrogenibium azureense	Sulfurihydrogenibium azureense Az-Fu1
4387	singleton	2513237216	Bacillus sp.	Bacillus sp. JS
4388	singleton	2509887025	Frankia sp.	Frankia sp. QA3
4389	singleton	2515154089	Nocardiopsis sp.	Nocardiopsis sp. CNT312
4390	singleton	2515154083	Echinicola pacifica	Echinicola pacifica DSM 19836
4391	singleton	641228500	Petrotoxa mobilis	Petrotoxa mobilis SJ95
4392	singleton	649633090	Rhodomicrobium vannielii	Rhodomicrobium vannielii ATCC 17100
4393	singleton	2522125081	Bordetella sp.	Bordetella sp. FB-8, DSM 24873
4394	singleton	2548876871	Helicobacter pylori	Helicobacter pylori NAD1
4395	singleton	2551306564	Klebsiella sp.	Klebsiella cf. planticola B43
4396	singleton	641736181	Borrelia valaisiana	Borrelia valaisiana VS116
4397	singleton	647533196	Prevotella melaninogenica	Prevotella melaninogenica D18
4398	singleton	640753050	Shewanella sediminis	Shewanella sediminis HAW-EB3
4399	singleton	2524023080	unclassified	Planctomycetes bacterium SCGC AB-629-O15
4400	singleton	2523231055	Actinomyces suimastitidis	Actinomyces suimastitidis DSM 15538
4401	singleton	2522572188	Salinarimonas rosea	Salinarimonas rosea DSM 21201
4402	singleton	2505679050	Cupriavidus gilardii	Cupriavidus gilardii J11
4403	singleton	651324007	Aeromonas caviae	Aeromonas caviae Ae398
4404	singleton	640753037	Nitratiruptor sp.	Nitratiruptor sp. SB155-2
4405	singleton	2529292815	Capnocytophaga sp.	Capnocytophaga sp. oral taxon 332 F0381
4406	singleton	649633012	Bacteroides helcogenes	Bacteroides helcogenes P 36-108, DSM 20613
4407	singleton	2503283023	Cyanobacterium stanieri	Cyanobacterium stanieri PCC 7202
4408	singleton	643886054	Pectobacterium carotovorum	Pectobacterium carotovorum carotovorum WPP14
4409	singleton	2528768054	unclassified	Burkholderiales bacterium JGI 0001002-H06 (contamination screened)
4410	singleton	2528768107	Rhizobium sp.	Rhizobium sp. JGI 0001011-C22 (contamination screened)
4411	singleton	2510917028	Rhizobium sp.	Rhizobium sp. CF122
4412	singleton	2548876796	Kurthia sp.	Kurthia sp. JC8E
4413	singleton	2523533589	Mycoplasma orale	Mycoplasma orale ATCC 23714
4414	singleton	2509276058	Belliella baltica	Belliella baltica BA134, DSM 15883
4415	singleton	643692014	Campylobacter lari	Campylobacter lari RM2100
4416	singleton	640427113	Enterobacter sp.	Enterobacter sp. 638
4417	singleton	646564546	Meiothermus silvanus	Meiothermus silvanus VI-R2, DSM 9946
4418	singleton	2513237166	Burkholderia sp.	Burkholderia sp. UYPR1.413
4419	singleton	2551306654	Flavobacterium sp.	Flavobacterium sp. B17
4420	singleton	2517487020	Thioalkalivibrio versutus	Thioalkalivibrio versutus AL2
4421	singleton	646206261	Escherichia sp.	Escherichia sp. 1_1_43

4422	singleton	2523533542	Streptococcus porci	Streptococcus porci DSM 23759
4423	singleton	650716097	Thermococcus sp.	Thermococcus sp. 4557
4424	singleton	2515154190	Wenxinia marina	Wenxinia marina DSM 24838
4425	singleton	649633005	Anaerolinea thermophila	Anaerolinea thermophila UNI-1
4426	singleton	641380448	Clostridium sp.	Clostridium sp. L2-50
4427	singleton	2551306668	Curtobacterium sp.	Curtobacterium sp. B8
4428	singleton	2547132266	Gardnerella vaginalis	Gardnerella vaginalis 101
4429	singleton	2551306370	Chelatococcus sp.	Chelatococcus sp. GW1
4430	singleton	2524614706	unclassified	Lachnospiraceae bacterium NK4A136
4431	singleton	2519899822	Streptococcus mitis	Streptococcus mitis SPAR10
4432	singleton	2523533595	Thermonema rossianum	Thermonema rossianum DSM 10300
4433	singleton	2522125054	unclassified	Acidobacteriaceae bacterium KBS 96, DSM 24297
4434	singleton	2540341102	Fibrella aestuarina	Fibrella aestuarina
4435	singleton	2541046995	Staphylococcus sp.	Staphylococcus sp. HGB0015
4436	singleton	2264867193	unclassified	Aminicenantes bacterium SCGC AAA252-N07 (SAK_001_76)
4437	singleton	2522572162	Flavobacterium soli	Flavobacterium soli DSM 19725
4438	singleton	2517287033	Methylobacter luteus	Methylobacter luteus IMV-B-3098
4439	singleton	2551306468	Pseudomonas sp.	Pseudomonas sp. TX1
4440	singleton	2228664027	unclassified	gamma proteobacterium SCGC AAA076-P09
4441	singleton	2554235119	Maricaulis sp.	Maricaulis sp. JL2009
4442	singleton	2519899631	Thioalkalivibrio sp.	Thioalkalivibrio sp. ALSr1
4443	singleton	2506783014	Mycobacterium chubuense	Mycobacterium chubuense NBB4
4444	singleton	645058708	Sulfurihydrogenibium yellowstonense	Sulfurihydrogenibium yellowstonense SS-5
4445	singleton	2545555857	Eubacterium xylanophilum	Eubacterium xylanophilum ATCC 35991
4446	singleton	2531839452	Streptococcus sp.	Streptococcus sp. F0441
4447	singleton	642555132	Hydrogenobaculum sp.	Hydrogenobaculum sp. Y04AAS1
4448	singleton	638341238	Yersinia bercovieri	Yersinia bercovieri ATCC 43970
4449	singleton	2523533620	Aquimarina latercula	Aquimarina latercula DSM 2041
4450	singleton	2512875027	Fischerella sp.	Fischerella sp. PCC 9431
4451	singleton	2537561646	Mycoplasma bovinegenitalium	Mycoplasma bovinegenitalium 51080
4452	singleton	2512047063	Mycobacterium colombiense	Mycobacterium colombiense CECT 3035
4453	singleton	644736333	Candidatus Accumulibacter phosphatis	Candidatus Accumulibacter phosphatis Type IIA UW-1
4454	singleton	2551306541	Peptoniphilus rhinitidis	Peptoniphilus rhinitidis 1-13
4455	singleton	637000213	Prochlorococcus marinus	Prochlorococcus marinus marinus CCMP 1375
4456	singleton	2524614874	Pseudomonas caeni	Pseudomonas caeni DSM 24390
4457	singleton	642979306	Corynebacterium amycolatium	Corynebacterium amycolatium SK46
4458	singleton	2551306523	Vibrio gazogenes	Vibrio gazogenes ATCC 43941
4459	singleton	2264867099	unclassified	Cloacimonetes bacterium SCGC AAA255-C20 (SAK_001_123)
4460	singleton	646311931	Geodermatophilus obscurus	Geodermatophilus obscurus G-20, DSM 43160
4461	singleton	2506783045	Hyphomicrobium denitrificans	Hyphomicrobium denitrificans 1NES1
4462	singleton	641522607	Bordetella avium	Bordetella avium 197N
4463	singleton	2515154028	Streptococcus didelphis	Streptococcus didelphis DSM 15616
4464	singleton	2264867254	unclassified	Candidatus Latescibacter anaerobius SCGC AAA252-E07 (SAK_001_42)
4465	singleton	2541047476	Bacteriovorax sp.	Bacteriovorax sp. Seq25_V
4466	singleton	2541046934	Methylophila sp.	Methylophila sp. 73B
4467	singleton	2528768109	Rhizobium sp.	Rhizobium sp. JGI 0001012-L22 (contamination screened)
4468	singleton	645951819	Cardiobacterium hominis	Cardiobacterium hominis ATCC 15826
4469	singleton	640753002	Alkaliphilus metalliredigens	Alkaliphilus metalliredigens QYMF
4470	singleton	638341165	Psychroflexus torquis	Psychroflexus torquis ATCC 700755
4471	singleton	650716056	Methanotorrus igneus	Methanotorrus igneus Kol5, DSM 5666
4472	singleton	2528768090	unclassified	Proteobacteria bacterium JGI 0001019-D04 (contamination screened)
4473	singleton	2531839542	Actinomyces naeslundii	Actinomyces naeslundii Howell 279, ATCC 12104
4474	singleton	2505679016	Cellulomonas gilvus	Cellulomonas gilvus ATCC 13127
4475	singleton	2519103010	unclassified	Firmicutes bacterium JGI 0000119-P10
4476	singleton	2540341046	Clavibacter michiganensis	Clavibacter michiganensis nebraskensis NCPPB 2581
4477	singleton	644736380	Kytococcus sedentarius	Kytococcus sedentarius 541, DSM 20547
4478	singleton	2509601013	Pleurocapsa sp.	Pleurocapsa sp. PCC 7319
4479	singleton	2524614694	Butyrivibrio sp.	Butyrivibrio sp. AC2005
4480	singleton	642791623	Streptomyces sp.	Streptomyces sp. Mg1
4481	singleton	2511231013	Pseudomonas sp.	Pseudomonas sp. GM41(2012)
4482	singleton	646206275	Fusobacterium varium	Fusobacterium varium ATCC 27725
4483	singleton	2547132189	Curtobacterium flaccumfaciens	Curtobacterium flaccumfaciens UCD-AKU
4484	singleton	2519899657	Epsilonproteobacteria unclassified	epsilon proteobacterium SCGC AB-604-K02
4485	singleton	2554235498	Haloterrigena limicola	Haloterrigena limicola JCM 13563
4486	singleton	2541048001	Actinomyces graevenitzii	Actinomyces graevenitzii F0530
4487	singleton	2528311029	unclassified	delta proteobacterium PSCGC 5342
4488	singleton	643886103	Holdemania filiformis	Holdemania filiformis VPI J1-31B-1, DSM 12042
4489	singleton	2518645575	Marinobacter sp.	Marinobacter sp. BSs20148
4490	singleton	2524023169	Cohnella thermotolerans	Cohnella thermotolerans DSM 17683
4491	singleton	2537561796	Sphingobium yanoikuyae	Sphingobium yanoikuyae ATCC 51230
4492	singleton	2513237360	Clostridium citroniae	Clostridium citroniae WAL-17108
4493	singleton	2517287006	Labrenzia alexandrii	Labrenzia alexandrii DFL-11
4494	singleton	2524023162	Paludibacterium yongneupense	Paludibacterium yongneupense DSM 18731
4495	singleton	644736325	Alicyclobacillus acidocaldarius	Alicyclobacillus acidocaldarius acidocaldarius 104-IA, DSM 446
4496	singleton	2524023228	Bradyrhizobium sp.	Bradyrhizobium sp. th.b2
4497	singleton	2519899680	Bacteroides gallinarum	Bacteroides gallinarum DSM 18171
4498	singleton	2524023245	Streptomyces sp.	Streptomyces sp. CNH287
4499	singleton	2547132104	Marinobacterium stanieri	Marinobacterium stanieri S30
4500	singleton	2529292880	Streptococcus mitis	Streptococcus mitis bv. 2 SK95
4501	singleton	2523231059	Desulfuregula conservatrix	Desulfuregula conservatrix Mb1Pa, DSM 13527
4502	singleton	2504756015	Roseobacter RCA	Roseobacter sp. LE17 (first submission)
4503	singleton	2522125050	Delftia sp.	Delftia sp. JGI 0001021-C20

4504	singleton	2528768126	Variovorax sp.	Variovorax sp. JGI 0001011-P21 (contamination screened)
4505	singleton	651324011	Bacteroides fluxus	Bacteroides fluxus YIT 12057
4506	singleton	2516143002	Methylobacterium sp.	Methylobacterium sp. 77
4507	singleton	2264867144	unclassified	Parcubacteria bacterium SCGC AAA010-E09 (DUSEL_001_100)
4508	singleton	650377950	Helicobacter pylori	Helicobacter pylori India7
4509	singleton	2513237385	Bacillus smithii	Bacillus smithii 7_3_47FAA
4510	singleton	2531839647	Acinetobacter sp.	Acinetobacter sp. ANC 4052
4511	singleton	2524023150	Agromyces italicus	Agromyces italicus DSM 16388
4512	singleton	2540341222	Actinomadura oligospora	Actinomadura oligospora ATCC 43269
4513	singleton	2505679005	Pyrolobus fumarii	Pyrolobus fumarii 1A, DSM 11204
4514	singleton	2551306083	Microbacterium yannicii	Microbacterium yannicii PS01
4515	singleton	649633105	Thermus scotoductus	Thermus scotoductus SA-01, ATCC 700910
4516	singleton	2522572149	Cellulomonas sp.	Cellulomonas sp. URHD0024
4517	singleton	649633052	Halanaerobium hydrogenoformans	Halanaerobium hydrogenoformans
4518	singleton	2503128008	Sphaerotilus natans	Sphaerotilus natans
4519	singleton	2523231050	Nevskia ramosa	Nevskia ramosa DSM 11499
4520	singleton	2524614588	Pseudomonas syringae	Pseudomonas syringae CC1583
4521	singleton	2502171179	Phaeobacter sp.	Phaeobacter sp. LSS9 (Phaeobacter sp. LSS9 draft genome)
4522	singleton	646564524	Coraliomargarita akajimensis	Coraliomargarita akajimensis DSM 45221
4523	singleton	2541047154	Leptospira kmetyi	Leptospira kmetyi sv. Malaysia Bejo-Iso9
4524	singleton	2524023140	unclassified	Gemmatimonadetes bacterium SCGC AAA007-L19
4525	singleton	2524023147	Desulfotomaculum alcoholivorax	Desulfotomaculum alcoholivorax DSM 16058
4526	singleton	2531839478	Sulfuricella denitrificans	Sulfuricella denitrificans skB26
4527	singleton	2523533624	Neptunomonas japonica	Neptunomonas japonica DSM 18939
4528	singleton	2518645605	Marinobacterium rhizophilum	Marinobacterium rhizophilum DSM 18822
4529	singleton	643886113	Capnocytophaga gingivalis	Capnocytophaga gingivalis ATCC 33624
4530	singleton	643886178	Bacillus cereus	Bacillus cereus AH1271
4531	singleton	2531839456	unclassified	Peanut witches'-broom phytoplasma NTU2011
4532	singleton	2537561633	Selenomonas sp.	Selenomonas sp. CM52
4533	singleton	2534682016	Actinomyces turicensis	Actinomyces turicensis ACS-279-V-Col4
4534	singleton	2264867186	unclassified	Aminicenantes bacterium SCGC AAA252-J21 (SAK_001_59)
4535	singleton	2554235028	Nocardioopsis synnemataformans	Nocardioopsis synnemataformans DSM 44143
4536	singleton	637000160	Chelativorans sp.	Chelativorans sp. BNC1
4537	singleton	2537562078	Pseudomonas stutzeri	Pseudomonas stutzeri NF13
4538	singleton	641228475	Alkaliphilus oremlandii	Alkaliphilus oremlandii OhILAs
4539	singleton	2534681904	Brachyspira hamptonii	Brachyspira hamptonii 30599
4540	singleton	2528311054	unclassified	Nitrospirae bacterium SCGC AC-310-G17
4541	singleton	2515154123	Burkholderia sp.	Burkholderia sp. JPY347
4542	singleton	2534682240	Rhodovulum sp.	Rhodovulum sp. PH10
4543	singleton	642979361	Bifidobacterium angulatum	Bifidobacterium angulatum DSM 20098
4544	singleton	2518645533	Pectobacterium carotovorum	Pectobacterium carotovorum carotovorum PCC21
4545	singleton	2501025502	Burkholderia unamae	Burkholderia unamae MTI-641
4546	singleton	643348524	Candidatus Azobacteroides pseudotriconymphae	Candidatus Azobacteroides pseudotriconymphae gv. CFP2
4547	singleton	2519899637	Pseudomonas sp.	Pseudomonas sp. URMO17WK12:17
4548	singleton	2513237334	Acidovorax sp.	Acidovorax sp. NO-1
4549	singleton	2515154008	unclassified	Flavobacteriaceae bacterium JJC (Draft 1)
4550	singleton	645058849	Mycobacterium kansasii	Mycobacterium kansasii ATCC 12478
4551	singleton	2509887024	Calothrix desertica	Calothrix desertica PCC 7102
4552	singleton	2554235106	Bacillus mojavensis	Bacillus mojavensis RRC 101
4553	singleton	2515154189	Burkholderia nodosa	Burkholderia nodosa DSM 21604
4554	singleton	2554235135	Pseudomonas pelagia	Pseudomonas pelagia CL-AP6
4555	singleton	640427127	Orientia tsutsugamushi	Orientia tsutsugamushi Boryong
4556	singleton	2516653058	Methylovulum miyakonense	Methylovulum miyakonense HT12
4557	singleton	2265129011	unclassified	Poribacteria bacterium WGA-4CII (final_clean_version)
4558	singleton	2534682146	Rothia mucilaginosa	Rothia mucilaginosa M508
4559	singleton	2526164637	Helicobacter pylori	Helicobacter pylori NQ4044
4560	singleton	2504557016	Flavobacterium sp.	Flavobacterium sp GOBB3-209
4561	singleton	2501651219	unclassified	Synergistetes Syn_Fa1
4562	singleton	640427120	Metallosphaera sedula	Metallosphaera sedula DSM 5348
4563	singleton	2551306423	Mycobacterium septicum	Mycobacterium septicum DSM 44393
4564	singleton	2524614716	Butyrivibrio sp.	Butyrivibrio sp. VCB2001
4565	singleton	643348559	Helicobacter pylori	Helicobacter pylori P12
4566	singleton	2524023207	Ensifer sp.	Ensifer sp. USDA 6670, CC2017
4567	singleton	2517093016	Saccharomonospora saliphila	Saccharomonospora saliphila YIM 90502
4568	singleton	642555127	Elusimicrobium minutum	Elusimicrobium minutum Pei191
4569	singleton	644736392	Mycoplasma conjunctivae	Mycoplasma conjunctivae HRC/581
4570	singleton	642979359	Clostridium hylemonae	Clostridium hylemonae DSM 15053
4571	singleton	650716020	Carnobacterium sp.	Carnobacterium sp. 17-4
4572	singleton	2522572156	Granulicoccus phenolivorans	Granulicoccus phenolivorans DSM 17626
4573	singleton	2534681901	Haloterrigena thermotolerans	Haloterrigena thermotolerans DSM 11522
4574	singleton	639633007	Azoarcus sp.	Azoarcus sp. BH72
4575	singleton	645058853	Streptomyces sp.	Streptomyces sp. C
4576	singleton	2527291522	unclassified	Cloacimonetes bacterium JGI 0000014-D06 (Combined_Assembly_WWE1_3_WWE1)
4577	singleton	2547132124	Alistipes senegalensis	Alistipes senegalensis JC50
4578	singleton	650716031	Cupriavidus necator	Cupriavidus necator N-1, ATCC 43291
4579	singleton	2523533602	unclassified	delta proteobacterium PSCGC 5220
4580	singleton	2528311061	unclassified	Firmicutes bacterium SCGC AC-310-M09
4581	singleton	2551306145	Halomonas stevensii	Halomonas stevensii S18214
4582	singleton	646564556	Nitrosococcus halophilus	Nitrosococcus halophilus Nc4
4583	singleton	2551306224	Streptococcus suis	Streptococcus suis 89-5259
4584	singleton	645058825	Staphylococcus warneri	Staphylococcus warneri L37603, SK66
4585	singleton	2529292915	Aeromonas veronii	Aeromonas veronii AMC34

4586	singleton	2551306154	Nocardia higoensis	Nocardia higoensis NBRC 100133
4587	singleton	2547132167	Bartonella senegalensis	Bartonella senegalensis OS02
4588	singleton	638154519	Sulfolobus tokodaii	Sulfolobus tokodaii 7, JCM 10545
4589	singleton	2523533609	Inquilinus limosus	Inquilinus limosus DSM 16000
4590	singleton	2513237104	Bradyrhizobium sp.	Bradyrhizobium sp. EC3.3
4591	singleton	2547132142	unclassified	Sphingomonas sp. PAMC 26605
4592	singleton	2548876984	Pedobacter agri	Pedobacter agri PB92
4593	singleton	640069324	Prochlorococcus marinus	Prochlorococcus marinus MIT 9515
4594	singleton	2516493029	Janthinobacterium sp.	Janthinobacterium sp. CG3
4595	singleton	2547132422	Shinella zoogloeoides	Shinella zoogloeoides DD12
4596	singleton	2523533531	Tenacibaculum ovolyticum	Tenacibaculum ovolyticum DSM 18103
4597	singleton	2506485002	Anabaena sp.	Anabaena sp. PCC 7108
4598	singleton	643348571	Rhodocista centenaria	Rhodocista centenaria SW
4599	singleton	648028039	Methanohalobium evestigatum	Methanohalobium evestigatum Z-7303, DSM 3721
4600	singleton	650716066	Nitrosomonas sp.	Nitrosomonas sp. AL212
4601	singleton	2554235391	Streptomyces fulvissimus	Streptomyces fulvissimus DSM 40593
4602	singleton	2546825547	Helicobacter pametensis	Helicobacter pametensis ATCC 51478
4603	singleton	2524023065	unclassified	Euryarchaeota archaeon SCGC AAA008-E08
4604	singleton	2523533538	Bavariococcus seileri	Bavariococcus seileri DSM 19936
4605	singleton	638341142	Neptuniibacter caesariensis	Neptuniibacter caesariensis MED92
4606	singleton	2540341239	Caldicoprobacter oshimai	Caldicoprobacter oshimai DSM 21659
4607	singleton	2524614560	Streptomyces sp.	Streptomyces sp. CNT360
4608	singleton	2551306676	unclassified	Novosphingobium sp. B-7
4609	singleton	640963030	Plesiocystis pacifica	Plesiocystis pacifica SIR-1
4610	singleton	2517572074	Synechocystis sp.	Synechocystis sp. PCC 7509
4611	singleton	650716027	Clostridium sp.	Clostridium sp. SY8519
4612	singleton	2264867004	unclassified	Candidatus Paceibacter normanii SCGC AAA255-P19 (SAK_001_138)
4613	singleton	2551306133	Pseudaminobacter salicylatoxidans	Pseudaminobacter salicylatoxidans KCT001
4614	singleton	2537561926	Arthrobacter gangotriensis	Arthrobacter gangotriensis Lz1y
4615	singleton	637000097	Ehrlichia canis	Ehrlichia canis Jake
4616	singleton	643886097	Glaciicola sp.	Glaciicola sp. HTCC 2999
4617	singleton	2522125148	unclassified	Oxalobacteraceae bacterium JGI 001006-K17
4618	singleton	2551306414	Pseudomonas sp.	Pseudomonas sp. 313
4619	singleton	2528768051	Burkholderia sp.	Burkholderia sp. JGI 001009-G21 (contamination screened)
4620	singleton	2523533610	Megamonas hypermegale	Megamonas hypermegale DSM 1672
4621	singleton	2519899602	Pseudomonas stutzeri	Pseudomonas stutzeri KOS6
4622	singleton	2528311013	Variovorax paradoxus	Variovorax paradoxus B4
4623	singleton	2513237094	Bradyrhizobium sp.	Bradyrhizobium sp. WSM3983
4624	singleton	640963029	Roseobacter sp.	Roseobacter sp. AzwK-3b
4625	singleton	2518645585	Azoarcus toluclasticus	Azoarcus toluclasticus ATCC 700605
4626	singleton	639633050	Pelobacter propionicus	Pelobacter propionicus DSM 2379
4627	singleton	2512047033	Candidatus Chloracidobacterium thermophilum	Candidatus Chloracidobacterium thermophilum B
4628	singleton	2531839442	Desulfotomaculum hydrothermale	Desulfotomaculum hydrothermale Lam5
4629	singleton	2524614651	Nocardioides insulae	Nocardioides insulae DSM 17944
4630	singleton	649633033	Clostridium sticklandii	Clostridium sticklandii DSM 519
4631	singleton	2522572101	Mycobacterium sp.	Mycobacterium sp. URHD0025
4632	singleton	2515154209	Desulfotomaculum kuznetsovii	Desulfotomaculum kuznetsovii 17, DSM 6115
4633	singleton	637000318	Caldanaerobacter subterraneus	Caldanaerobacter subterraneus tengcongensis MB4T
4634	singleton	638154520	Thermococcus kodakarensis	Thermococcus kodakarensis KOD1
4635	singleton	642791618	Chthoniobacter flavus	Chthoniobacter flavus Elin428
4636	singleton	2528768027	unclassified	Alpha Proteobacterium JGI 0001002-118 (contamination screened)
4637	singleton	2523533625	Algoriphagus marincola	Algoriphagus marincola DSM 16067
4638	singleton	2524023240	unclassified	Vampirovibrio sp. JGI 0001003-B03
4639	singleton	2519899582	unclassified	SAR86 cluster bacterium SAR86E
4640	singleton	2554235474	Natronorubrum bangense	Natronorubrum bangense JCM 10635
4641	singleton	2512047067	Peptoniphilus sp.	Peptoniphilus sp. F0436
4642	singleton	2531839284	Mycoplasma alkalescens	Mycoplasma alkalescens 14918
4643	singleton	2513237351	Mesorhizobium alhagi	Mesorhizobium alhagi CCNWX12-2
4644	singleton	643348580	Thermococcus onnurineus	Thermococcus onnurineus NA1
4645	singleton	640612201	Cyanotheca sp.	Cyanotheca sp. CCY 0110
4646	singleton	2524614644	Globicatella sulfidifaciens	Globicatella sulfidifaciens DSM 15739
4647	singleton	641228509	Sorangium cellulosum	Sorangium cellulosum So ce 56
4648	singleton	2531839522	Weissella ceti	Weissella ceti NC36
4649	singleton	2527291725	Deinococcus murrayi	Deinococcus murrayi DSM 11303
4650	singleton	2513237176	Actinoplanes missouriensis	Actinoplanes missouriensis NBRC 102363
4651	singleton	2264867165	unclassified	Aminicenantes bacterium SCGC AAA255-E05 (SAK_001_125)
4652	singleton	651285005	Candidatus Serratia symbiotica	Candidatus Serratia symbiotica Tuscon
4653	singleton	646564501	Aciduliprofundum boonei	Aciduliprofundum boonei T469
4654	singleton	2537562210	Austwickia chelonae	Austwickia chelonae NBRC 105200
4655	singleton	2508501013	Saccharomonospora cyanea	Saccharomonospora cyanea NA-134
4656	singleton	2503692000	Hyphomicrobium sulfonivorans	Hyphomicrobium sulfonivorans S1 (Draft1)
4657	singleton	2540341230	Hongiella marincola	Hongiella marincola HL-49
4658	singleton	2501651207	Shewanella benthica	Shewanella benthica KT99
4659	singleton	2509601046	Geminocystis herdmanii	Geminocystis herdmanii PCC 6308
4660	singleton	638341022	Brevibacterium linens	Brevibacterium linens BL2
4661	singleton	2511231020	Pseudomonas sp.	Pseudomonas sp. GM74
4662	singleton	2517572148	Bacillus fordii	Bacillus fordii DSM 16014
4663	singleton	2264867223	unclassified	Aigarchaeota archaeon SCGC AAA471-F17 (GBS-N_001_13)
4664	singleton	2523533562	Proteocatella sphenisci	Proteocatella sphenisci DSM 23131
4665	singleton	637000030	Bdellovibrio bacteriovorus	Bdellovibrio bacteriovorus HD100
4666	singleton	2551306686	Comamonas sp.	Comamonas sp. B-9
4667	singleton	2527291561	unclassified	Firmicutes bacterium SCGC AC-310-M17

4668	singleton	2551306471	Methylobacterium sp.	Methylobacterium sp. MB200
4669	singleton	640963044	unclassified	Vibrionales sp. SWAT-3
4670	singleton	2518645612	Proteiniphilum acetatigenes	Proteiniphilum acetatigenes DSM 18083
4671	singleton	2528768074	Ensifer sp.	Ensifer sp. JGI 0001011-A08 (contamination screened)
4672	singleton	645058870	Pedosphaera parvula	Pedosphaera parvula Ellin514
4673	singleton	2508501128	Bradyrhizobium sp.	Bradyrhizobium sp. ARR65
4674	singleton	2264867158	unclassified	Omnitrophica bacterium SCGC AAA257-007 (Etoliko_001_147)
4675	singleton	642555142	Natranaerobius thermophilus	Natranaerobius thermophilus JW/NM-WN-LF
4676	singleton	2547132385	Alteromonas sp.	Alteromonas sp. S89
4677	singleton	643348585	Thioalkalivibrio sulfidophilus	Thioalkalivibrio sulfidophilus HL-EbGR7
4678	singleton	2541046974	Treponema maltophilum	Treponema maltophilum ATCC 51939
4679	singleton	2517093002	Bacteroides propionicifaciens	Bacteroides propionicifaciens DSM 19291
4680	singleton	647533204	Rickettsia unclassified	Rickettsia endosymbiont of Ixodes scapularis
4681	singleton	2264867238	unclassified	Marinimicrobia bacterium JGI 0000059-L03 (TABiofilm_001_169)
4682	singleton	2537561814	Fibrisoma limi	Fibrisoma limi BUZ 3
4683	singleton	2545824664	Enterococcus caccae	Enterococcus caccae ATCC BAA-1240
4684	singleton	2524023174	unclassified	beta proteobacterium SCGC AAA027-106
4685	singleton	2551306678	Nocardiopsis chromatogenes	Nocardiopsis chromatogenes YIM 90109
4686	singleton	2545824727	Exiguobacterium sp.	Exiguobacterium sp. S17
4687	singleton	638341152	Polaribacter irgensii	Polaribacter irgensii 23-P
4688	singleton	2528768113	Rhizobium sp.	Rhizobium sp. JGI 001014-B23 (contamination screened)
4689	singleton	2541047161	Pseudoalteromonas undina	Pseudoalteromonas undina NCIMB 2128
4690	singleton	642979312	Bifidobacterium catenulatum	Bifidobacterium catenulatum DSM 16992
4691	singleton	637000130	Helicobacter acinonychis	Helicobacter acinonychis Sheeba
4692	singleton	2540341245	Sporocytophaga myxococcoides	Sporocytophaga myxococcoides DSM 11118
4693	singleton	2506210030	Pseudomonas fluorescens	Pseudomonas fluorescens NZ011
4694	singleton	646564574	Streptococcus mitis	Streptococcus mitis B6
4695	singleton	2537562135	Hoefflea phototrophica	Hoefflea phototrophica DFL-43
4696	singleton	639279312	Rhodospseudomonas palustris	Rhodospseudomonas palustris BisA53
4697	singleton	2511231014	Pseudomonas sp.	Pseudomonas sp. GM48
4698	singleton	2509601028	Holophaga foetida	Holophaga foetida TMBS4, DSM 6591
4699	singleton	2524023067	Marinimicrobium agarilyticum	Marinimicrobium agarilyticum DSM 16975
4700	singleton	2513237154	Acetobacterium dehalogenans	Acetobacterium dehalogenans DSM 11527
4701	singleton	2524023077	unclassified	Euryarchaeota archaeon SCGC AB-629-J07
4702	singleton	2534681807	Haemophilus haemolyticus	Haemophilus haemolyticus M21127
4703	singleton	2513237344	Collinsella tanakaei	Collinsella tanakaei YIT 12063
4704	singleton	2502545005	Vibrio navarrensis	Vibrio navarrensis 08-2462 (Vibrio navarrensis 08-2462)
4705	singleton	2509601038	Cytophaga fermentans	Cytophaga fermentans IAM 14302, DSM 9555
4706	singleton	2504643012	Pseudanabaena sp.	Pseudanabaena sp. PCC 7367
4707	singleton	2524614613	Corynebacterium freiburgense	Corynebacterium freiburgense DSM 45254
4708	singleton	643886007	unclassified	Clostridiales sp. 1_7_47FAA
4709	singleton	2513237288	unclassified	Acetobacteraceae bacterium AT-5844
4710	singleton	2523231023	Arenibacter certesii	Arenibacter certesii DSM 19833
4711	singleton	2513237320	Gordonia terrae	Gordonia terrae NBRC 100016
4712	singleton	2524614581	Streptomyces sp.	Streptomyces sp. DpondAA-B6
4713	singleton	637000241	Rhodospirillum rubrum	Rhodospirillum rubrum S1, ATCC 11170
4714	singleton	2554235388	Treponema pedis	Treponema pedis T A4
4715	singleton	2545824662	Enterococcus haemoperoxidus	Enterococcus haemoperoxidus ATCC BAA-382
4716	singleton	2551306244	Streptococcus suis	Streptococcus suis 92-4172
4717	singleton	2513237217	Helicobacter pylori	Helicobacter pylori HUP-B14
4718	singleton	2545824760	Pseudomonas putida	Pseudomonas putida NB2011
4719	singleton	640069332	Staphylothermus marinus	Staphylothermus marinus F1, DSM 3639
4720	singleton	640753035	Methanococcus maripaludis	Methanococcus maripaludis C7
4721	singleton	640753030	Janthinobacterium sp.	Janthinobacterium sp. Marseille
4722	singleton	2551306411	Vibrio sp.	Vibrio sp. 624788
4723	singleton	2504756059	Methylomonas methanica	Methylomonas methanica MC09
4724	singleton	640427129	Polynucleobacter necessarius	Polynucleobacter necessarius asymbioticus QLW-P1DMWA-1
4725	singleton	2510065015	Thiorhodococcus drewsii	Thiorhodococcus drewsii AZ1
4726	singleton	2528768019	Methyloglobulus morosus	Methyloglobulus morosus KoM1
4727	singleton	640753059	Xanthobacter autotrophicus	Xanthobacter autotrophicus Py2
4728	singleton	2517572235	Salsuginibacillus kocurii	Salsuginibacillus kocurii DSM 18087
4729	singleton	2522125105	unclassified	Chitinophaga sp. JGI 0001003-C21
4730	singleton	644736323	Actinosynnema mirum	Actinosynnema mirum 101, DSM 43827
4731	singleton	646564554	Mycoplasma crocodyli	Mycoplasma crocodyli MP145
4732	singleton	2528768178	unclassified	Ignavibacteriaceae bacterium SCGC AB-674-D06
4733	singleton	2528768025	unclassified	Alpha Proteobacterium JGI 0001002-C12 (contamination screened)
4734	singleton	648276707	Paenibacillus curdianolyticus	Paenibacillus curdianolyticus YK9
4735	singleton	2521172637	Pannonibacter phragmitetus	Pannonibacter phragmitetus DSM 14782
4736	singleton	2528768119	unclassified	Sphingomonas sp. JGI 0001002-A17 (contamination screened)
4737	singleton	2506520000	Stenotrophomonas maltophilia	Stenotrophomonas maltophilia PML168
4738	singleton	642791634	unclassified	Candidate division TM7 GTL1
4739	singleton	641522626	Exiguobacterium sibiricum	Exiguobacterium sibiricum 255-15, DSM 17290
4740	singleton	643886201	Rhodococcus erythropolis	Rhodococcus erythropolis SK121
4741	singleton	2524614761	Pseudoclavibacter soli	Pseudoclavibacter soli DSM 23366
4742	singleton	2551306169	Nocardia paucivorans	Nocardia paucivorans NBRC 100373
4743	singleton	637000074	Chromobacterium violaceum	Chromobacterium violaceum ATCC 12472
4744	singleton	2503538017	Thermanaeromonas toyohensis	Thermanaeromonas toyohensis ToBE, DSM 14490
4745	singleton	638341213	Synechococcus sp.	Synechococcus sp. RS9917
4746	singleton	2517434013	Amycolatopsis balhimycina	Amycolatopsis balhimycina DSM 44591
4747	singleton	2519899682	Deinococcus aquatilis	Deinococcus aquatilis DSM 23025
4748	singleton	646564591	Zunongwangia profunda	Zunongwangia profunda SM-A87
4749	singleton	651324039	Haemophilus parainfluenzae	Haemophilus parainfluenzae ATCC 33392

4750	singleton	2524614879	Paenibacillus alginolyticus	Paenibacillus alginolyticus DSM 5050
4751	singleton	2524614682	Oribacterium sp.	Oribacterium sp. NK2B42
4752	singleton	2505679029	Chroococcidiopsis sp.	Chroococcidiopsis sp. PCC 6712
4753	singleton	2540341096	Methylomicrobium alcaliphilum	Methylomicrobium alcaliphilum 20Z
4754	singleton	648028041	Methanothermobacter marburgensis	Methanothermobacter marburgensis Marburg DSM 2133
4755	singleton	2511231103	Borrelia burgdorferi	Borrelia burgdorferi DN127
4756	singleton	2264867174	unclassified	Aminicenantes bacterium SCGC AAA252-B17 (SAK_001_33)
4757	singleton	2236661002	unclassified	actinobacterium SCGC AAA027-J17
4758	singleton	2513237326	Achromobacter arsenitoxydans	Achromobacter arsenitoxydans 5Y8
4759	singleton	2515154154	Oligella ureolytica	Oligella ureolytica DSM 18253
4760	singleton	2509276000	Clostridium pasteurianum	Clostridium pasteurianum BC1
4761	singleton	2528311094	Leptotrichia trevisanii	Leptotrichia trevisanii DSM 22070
4762	singleton	640963037	Ulvibacter sp.	Ulvibacter sp. SCB49
4763	singleton	2264867179	unclassified	Aminicenantes bacterium SCGC AAA252-G04 (SAK_001_47)
4764	singleton	2554235235	Bacillus sp.	Bacillus sp. NSP9.1
4765	singleton	2554235215	Brevibacillus thermoruber	Brevibacillus thermoruber 423
4766	singleton	2504643000	Synechococcus sp.	Synechococcus sp. PCC 7003
4767	singleton	2506520038	Rahnella aquatilis	Rahnella aquatilis CIP 78.65, ATCC 33071
4768	singleton	637000056	Candidatus Blochmannia floridanus	Candidatus Blochmannia floridanus
4769	singleton	2524023134	Shewanella frigidimarina	Shewanella frigidimarina NCIMB 400
4770	singleton	651324042	Halorhabdus tiamatea	Halorhabdus tiamatea SARL4B
4771	singleton	648028001	Nostoc azollae	Nostoc azollae 0708
4772	singleton	2515154174	Desulfobacter curvatus	Desulfobacter curvatus DSM 3379
4773	singleton	2264867219	unclassified	Aigarchaeota archaeon JGI 0000001-A7 (GBS-A_001_112)
4774	singleton	2537561628	Mogibacterium sp.	Mogibacterium sp. CM50
4775	singleton	648028020	Croceibacter atlanticus	Croceibacter atlanticus HTCC2559
4776	singleton	2515154147	Moraxella boevrei	Moraxella boevrei DSM 14165
4777	singleton	2526164514	Prevotella albensis	Prevotella albensis DSM 11370
4778	singleton	2264867197	unclassified	Aminicenantes bacterium SCGC AAA252-O11 (SAK_001_85)
4779	singleton	2537561587	Agrobacterium sp.	Agrobacterium sp. Cherry 2E-2-2
4780	singleton	2519899639	Oceanimonas smirnovii	Oceanimonas smirnovii ATCC BAA-899
4781	singleton	2524023226	Nesterenkonia alba	Nesterenkonia alba DSM 19423
4782	singleton	2264867088	unclassified	Calescamantes bacterium JGI 0000106-P5 (GBS-C_001_294)
4783	singleton	2529292577	Chryseobacterium sp.	Chryseobacterium sp. UNC8MFCol
4784	singleton	645951834	Butyrivibrio crossotus	Butyrivibrio crossotus DSM 2876
4785	singleton	2513237370	Lactobacillus malefermentans	Lactobacillus malefermentans KCTC 3548
4786	singleton	2509276057	Spirochaeta africana	Spirochaeta africana Z-7692, DSM 8902
4787	singleton	637000268	Ruegeria sp.	Ruegeria sp. TM1040
4788	singleton	647000233	Cylindrospermopsis raciborskii	Cylindrospermopsis raciborskii CS-505
4789	singleton	648276617	Ahrensia sp.	Ahrensia sp. R2A130
4790	singleton	2548876818	Streptomyces somaliensis	Streptomyces somaliensis DSM 40738
4791	singleton	2519103100	Exiguobacterium antarcticum	Exiguobacterium antarcticum B7
4792	singleton	2541047577	Enterococcus faecalis	Enterococcus faecalis 13-SD-W-01
4793	singleton	2531839124	Mycoplasma flocculare	Mycoplasma flocculare ATCC 27716
4794	singleton	2515154213	Methyloversatilis universalis	Methyloversatilis universalis EHg5
4795	singleton	650716041	Helicobacter bizzozeronii	Helicobacter bizzozeronii CIII-1
4796	singleton	639633046	Nocardioides sp.	Nocardioides sp. JS614
4797	singleton	2506783048	Mycobacterium rhodesiae	Mycobacterium rhodesiae JS60
4798	singleton	2540341184	Saccharothrix espanaensis	Saccharothrix espanaensis DSM 44229
4799	singleton	637000207	Photorhabdus luminescens	Photorhabdus luminescens laumondii TTO1
4800	singleton	2540341127	Methylocystis sp.	Methylocystis sp. SC2
4801	singleton	2537562023	Staphylococcus simulans	Staphylococcus simulans ACS-120-V-Sch1
4802	singleton	647533238	Thalassobium sp.	Thalassobium sp. R2A62
4803	singleton	637000229	Cupriavidus necator	Cupriavidus necator JMP134
4804	singleton	2526164523	Bifidobacterium sp.	Bifidobacterium sp. AGR2158
4805	singleton	2508501098	Owenweeksia hongkongensis	Owenweeksia hongkongensis DSM 17368
4806	singleton	2547132308	Acinetobacter sp.	Acinetobacter sp. NCTC 7422
4807	singleton	2528311067	unclassified	Firmicutes bacterium SCGC AC-310-M02
4808	singleton	2508501033	Gloeocapsa sp.	Gloeocapsa sp. PCC 73106
4809	singleton	651324098	Shewanella sp.	Shewanella sp. HN-41
4810	singleton	2502376840	Prosthecomicrobium hirschii	Prosthecomicrobium hirschii ATCC 27832
4811	singleton	2510461079	unclassified	Candidatus Pelagibacter-like (SAR11) HIMB083
4812	singleton	651324000	Acetobacter pomorum	Acetobacter pomorum DM001
4813	singleton	650716102	Treponema primitia	Treponema primitia ZAS-2
4814	singleton	2541046968	unclassified	Bacteroidetes bacterium SCGC AAA027-N21
4815	singleton	2524023215	Streptomyces venezuelae	Streptomyces venezuelae Shinobu 719, ATCC 10712
4816	singleton	2506520013	Turneriella parva	Turneriella parva H, DSM 21527
4817	singleton	645951848	Fusobacterium periodonticum	Fusobacterium periodonticum ATCC 33693
4818	singleton	2534681837	Bacteroides oleiciplenus	Bacteroides oleiciplenus VIT 12058
4819	singleton	2503538010	Coriobacterium glomerans	Coriobacterium glomerans PW2, DSM 20642
4820	singleton	651053074	Streptococcus salivarius	Streptococcus salivarius JIM8777
4821	singleton	2528768136	Variovorax sp.	Variovorax sp. JGI 001013-A08 (contamination screened)
4822	singleton	2551306566	Ideonella sp.	Ideonella sp. B508-1
4823	singleton	2554235409	Actinoplanes sp.	Actinoplanes sp. N902-109
4824	singleton	2264867212	unclassified	Atribacteria bacterium JGI 0000079-L04 (TAbiofilm_001_231)
4825	singleton	2523231070	Propionicicella superfundia	Propionicicella superfundia DSM 22317
4826	singleton	2503538034	Pseudomonas fluorescens	Pseudomonas fluorescens R124
4827	singleton	2507525000	Promicromonospora kroppenstedtii	Promicromonospora kroppenstedtii RS16, DSM 19349
4828	singleton	640069317	Methanocorpusculum labreanum	Methanocorpusculum labreanum Z
4829	singleton	2545824738	Acinetobacter gyllenbergii	Acinetobacter gyllenbergii MTCC 11365
4830	singleton	649989992	Pseudonocardia sp.	Pseudonocardia sp. P1
4831	singleton	2513237264	Bizonia argentinensis	Bizonia argentinensis JUB59, DSM 19628

4832	singleton	647000343	Vibrio sp.	Vibrio sp. RC341
4833	singleton	2534681824	Veillonella ratti	Veillonella ratti ACS-216-V-Col6b
4834	singleton	2509276007	Eubacterium cellulosolvens	Eubacterium cellulosolvens 6
4835	singleton	2516493006	Streptomyces purpureus	Streptomyces purpureus KA281, ATCC 21405
4836	singleton	2545824622	Bifidobacterium thermophilum	Bifidobacterium thermophilum RBL67
4837	singleton	2515154157	Desulfovibrio oxyclinae	Desulfovibrio oxyclinae DSM 11498
4838	singleton	2517093040	Xanthobacter sp.	Xanthobacter sp. 126
4839	singleton	2551306332	Serratia marcescens	Serratia marcescens W2.3
4840	singleton	2509601031	Leptolyngbya boryana	Leptolyngbya boryana PCC 6306
4841	singleton	2524614555	Chitinilyticum litopenaei	Chitinilyticum litopenaei DSM 21440
4842	singleton	648276734	Streptococcus mitis	Streptococcus mitis ATCC 6249
4843	singleton	2503538021	Chroococciopsis thermalis	Chroococciopsis thermalis PCC 7203
4844	singleton	2524614723	Catellibacterium nectariphilum	Catellibacterium nectariphilum DSM 15620
4845	singleton	649633083	Planctomyces brasiliensis	Planctomyces brasiliensis IFAM 1448, DSM 5305
4846	singleton	2515154179	unclassified	Saccharomonospora sp. CNQ490
4847	singleton	2236661014	unclassified	alpha proteobacterium SCGC AAA300-J16
4848	singleton	2548876513	Streptomyces xinghaiensis	Streptomyces xinghaiensis S187, NRRL B24674
4849	singleton	641380446	Eubacterium dolichum	Eubacterium dolichum DSM 3991
4850	singleton	2526164741	Azohydromonas australica	Azohydromonas australica DSM 1124
4851	singleton	2537562118	Helicobacter pylori	Helicobacter pylori NCTC 11638
4852	singleton	2524614541	Sulfurospirillum arcachonense	Sulfurospirillum arcachonense DSM 9755
4853	singleton	2523231012	Hippea alviniae	Hippea alviniae EP5-r, DSM 24586
4854	singleton	2509276000	unclassified	Porphyras umbilicalis P.um.1-endophyte10645 (Porphyras_umbilicalis_P.um.1-endophyte10645)
4855	singleton	637000235	Rhodoferrax ferrireducens	Rhodoferrax ferrireducens T118
4856	singleton	2548877014	Aerococcus viridans	Aerococcus viridans LL1
4857	singleton	644736352	Desulfovibrio magneticus	Desulfovibrio magneticus RS-1
4858	singleton	2513237369	Lactobacillus suebicus	Lactobacillus suebicus KCTC 3549
4859	singleton	2515154021	Thiothrix disciformis	Thiothrix disciformis DSM 14473
4860	singleton	2522125083	Robiginotomaculum antarcticum	Robiginotomaculum antarcticum DSM 21748
4861	singleton	2515154160	Endozoicomonas elysicola	Endozoicomonas elysicola DSM 22380
4862	singleton	2537561591	Moraxella macacae	Moraxella macacae 0408225
4863	singleton	2518645607	Saccharibacter floricola	Saccharibacter floricola DSM 15669
4864	singleton	641228499	Nitrosopumilus maritimus	Nitrosopumilus maritimus SCM1
4865	singleton	2523533547	Pseudomonas parafulva	Pseudomonas parafulva DSM 17004
4866	singleton	2523533552	Alicyclobacillus herbarius	Alicyclobacillus herbarius DSM 13609
4867	singleton	2529293051	Achromobacter xylosoxidans	Achromobacter xylosoxidans AXX-A
4868	singleton	2524614609	Bacillus aurantiacus	Bacillus aurantiacus DSM 18675
4869	singleton	648028046	Nitrosococcus watsoni	Nitrosococcus watsoni C-113
4870	singleton	2527291530	unclassified	Firmicutes bacterium SCGC AC-310-N17
4871	singleton	2545824693	Bacillus sonorensis	Bacillus sonorensis L12
4872	singleton	2541046955	Clostridium josui	Clostridium josui JCM 17888
4873	singleton	649989979	Paenibacillus vortex	Paenibacillus vortex V453
4874	singleton	2515154161	Uliginosibacterium gangwonense	Uliginosibacterium gangwonense DSM 18521
4875	singleton	2523533544	Thermomonas fusca	Thermomonas fusca DSM 15424
4876	singleton	2511231210	Methanoseta harundinacea	Methanoseta harundinacea 6Ac
4877	singleton	2519899754	Flavobacterium sp.	Flavobacterium sp. F52
4878	singleton	2509601041	Flectobacillus major	Flectobacillus major VKMB-859, DSM 103
4879	singleton	2524614599	Flexibacter elegans	Flexibacter elegans DSM 3317
4880	singleton	651324093	Pseudoalteromonas haloplanktis	Pseudoalteromonas haloplanktis ANT/505
4881	singleton	2519103087	Mycobacterium thermoresistibile	Mycobacterium thermoresistibile ATCC 19527
4882	singleton	639857019	Labrenzia aggregata	Labrenzia aggregata IAM 12614
4883	singleton	2510065084	Cryptosporangium arzum	Cryptosporangium arzum YU 629-21, DSM 44712
4884	singleton	649633025	Caldicellulosiruptor owensensis	Caldicellulosiruptor owensensis OL
4885	singleton	2264867142	unclassified	Acetothermia bacterium SCGC AAA255-C06 (SAK_001_122)
4886	singleton	649989987	Prevotella multiformis	Prevotella multiformis DSM 16608
4887	singleton	640427108	Clavibacter michiganensis	Clavibacter michiganensis michiganensis NCPPB 382
4888	singleton	2517093047	Deferrisoma camini	Deferrisoma camini S3R1
4889	singleton	2545824538	Nocardia sp.	Nocardia sp. BMG51109
4890	singleton	2551306134	Bartonella rattaustriani	Bartonella rattaustriani AUST/NH4
4891	singleton	2534682211	Clostridium hathewayi	Clostridium hathewayi 12489931
4892	singleton	2509276016	Pseudoxanthomonas sp.	Pseudoxanthomonas sp. J35
4893	singleton	650716054	Methanoseta concilii	Methanoseta concilii GP-6
4894	singleton	2524614770	Kaistia adipata	Kaistia adipata DSM 17808
4895	singleton	2506381026	Lyngbya majuscula	Lyngbya majuscula 3L
4896	singleton	2264867149	unclassified	Microgenomates bacterium SCGC AAA011-A19 (DUSEL_001_193)
4897	singleton	649989900	Actinobacillus ureae	Actinobacillus ureae ATCC 25976
4898	singleton	2519899733	Methanobacterium formicicum	Methanobacterium formicicum DSM 3637
4899	singleton	2264867059	unclassified	Aerophobetes bacterium JGI 0000014-C22 (Etoliko_001_222)
4900	singleton	649633097	Sulfuricurvum kujiense	Sulfuricurvum kujiense YK-1, DSM 16994
4901	singleton	2528768205	unclassified	Thermoplasmata archaeon JGI 0000113-B15
4902	singleton	2524614664	Lysobacter defluvi	Lysobacter defluvi DSM 18482
4903	singleton	2522572187	unclassified	Planctomyces bacterium SCGC AAA282-C19
4904	singleton	637000122	Gluconobacter oxydans	Gluconobacter oxydans 621H
4905	singleton	2551306671	Lysobacter antibioticus	Lysobacter antibioticus H5124
4906	singleton	2264867208	unclassified	Atribacteria bacterium SCGC AB-164-G04 (SAK_001_217)
4907	singleton	2551306709	Clostridium sporogenes	Clostridium sporogenes PA3679
4908	singleton	2523533580	Thermodesulfator atlanticus	Thermodesulfator atlanticus DSM 21156
4909	singleton	2515154111	Thiothrix flexilis	Thiothrix flexilis DSM 14609
4910	singleton	638341081	Erythrobacter sp.	Erythrobacter sp. NAP1
4911	singleton	649989931	unclassified	Enterobacteriaceae bacterium 9_2_54FAA
4912	singleton	645951817	Granulicatella adiacens	Granulicatella adiacens ATCC 49175
4913	singleton	644736354	Dickeya dadantii	Dickeya dadantii Ech703

4914	singleton	2541047364	Clostridium sp.	Clostridium difficile F501
4915	singleton	2264867160	unclassified	Omnitrophica bacterium SCGC AAA011-L16 (DUSEL_001_184)
4916	singleton	646311958	Streptosporangium roseum	Streptosporangium roseum NI 9100, DSM 43021
4917	singleton	2514752036	Clostridium sp.	Clostridium sp. Maddingley MBC34-26 (Clostridium sp. MBC34-26)
4918	singleton	2537561860	Streptococcus mitis	Streptococcus mitis SK579
4919	singleton	2521172689	unclassified	Sulfuricurvum sp. RIFRC-1
4920	singleton	2551306192	Nocardia vinacea	Nocardia vinacea NBRC 16497
4921	singleton	649633054	Helicobacter felis	Helicobacter felis CS1, ATCC 49179
4922	singleton	647533115	Brevundimonas sp.	Brevundimonas sp. BAL3
4923	singleton	2517572092	unclassified	Gemmatimonadetes bacterium JGI 0000112-M07
4924	singleton	637000197	Nitrosospora multiformis	Nitrosospora multiformis ATCC 25196
4925	singleton	2547132306	Acinetobacter ursingii	Acinetobacter ursingii E. Stranska, DSM 16037
4926	singleton	2521172730	Pseudomonas sp.	Pseudomonas sp. M1
4927	singleton	2537562250	Burkholderia cepacia	Burkholderia cepacia Bu72
4928	singleton	646311905	Anaplasma centrale	Anaplasma centrale Israel
4929	singleton	641228505	Salmonella enterica	Salmonella enterica arizonae sv 62:z4,z23 RSK2980
4930	singleton	2547132161	Bacillus massiliosenegalensis	Bacillus massiliosenegalensis JC63
4931	singleton	2524023213	Donghicola xiamenensis	Donghicola xiamenensis DSM 18339
4932	singleton	2547132088	Rhodococcus sp.	Rhodococcus sp. R04
4933	singleton	2505679032	Calothrix sp.	Calothrix sp. PCC 7507
4934	singleton	2264867012	unclassified	zeta proteobacterium SCGC AB-604-O16
4935	singleton	2522125103	Colwellia sp.	Colwellia sp. SCGC AC281-B05
4936	singleton	2264867112	unclassified	Cloacimonetes bacterium SCGC AAA252-K16 (SAK_001_62)
4937	singleton	2518285519	Litoreibacter arenae	Litoreibacter arenae DSM 19593
4938	singleton	2523231063	Mesononia mobilis	Mesononia mobilis DSM 19841
4939	singleton	2521172625	Burkholderia bryophila	Burkholderia bryophila 376MFSHa3.1
4940	singleton	2519899583	Celeribacter baekdonensis	Celeribacter baekdonensis B30
4941	singleton	2515154118	Lamprocystis purpurea	Lamprocystis purpurea DSM 4197
4942	singleton	2508501122	Ensifer terangae	Ensifer sp. WSM1721
4943	singleton	2522125098	Tolomonas sp.	Tolomonas sp. BRL6-1
4944	singleton	2264867117	unclassified	Cloacimonetes bacterium SCGC AAA252-N11 (SAK_001_77)
4945	singleton	637000202	Candidatus Phytoplasma unclassified	Candidatus Phytoplasma onion yellows OY-M