

Dataset S1: The 326 genomes (highlighted in red) with incomplete classification (sp. Or unclassified) that can be assigned to species based on their clique membership.

Cluster ID	Cluster Type	IMG Taxon ID	Species	Taxon Display Name
3	clique	2547132273	<i>Escherichia</i> sp.	<i>Escherichia</i> sp. TW15838
3	clique	2547132275	<i>Escherichia</i> sp.	<i>Escherichia</i> sp. TW10509
3	clique	2534681675	<i>Escherichia coli</i>	<i>Escherichia coli</i> O2:H4 1.2741
3	clique	2534682161	<i>Escherichia coli</i>	<i>Escherichia coli</i> STEC_7v
4	clique	648276711	<i>Peptoniphilus</i> sp.	<i>Peptoniphilus</i> sp. F0141
4	clique	647000289	<i>Peptoniphilus lacrimalis</i>	<i>Peptoniphilus lacrimalis</i> 315-B
4	clique	251989691	<i>Peptoniphilus lacrimalis</i>	<i>Peptoniphilus lacrimalis</i> DSM 7455
12	clique	2541047518	<i>Clostridium</i> sp.	<i>Clostridium bifermentans</i> ATCC 638
12	clique	2541047517	<i>Clostridium bifermentans</i>	<i>Clostridium bifermentans</i> ATCC 19299
13	clique	649633021	<i>Burkholderia</i> sp.	<i>Burkholderia</i> sp. CCGE1001
13	clique	2526164713	<i>Burkholderia</i> sp.	<i>Burkholderia</i> sp. JPY366
13	clique	2518645580	<i>Burkholderia phenoliruptrix</i>	<i>Burkholderia phenoliruptrix</i> BR3459
13	clique	2554235175	<i>Burkholderia phenoliruptrix</i>	<i>Burkholderia phenoliruptrix</i> AC1100
16	clique	2541046973	<i>Bacteroidetes</i> sp.	<i>Bacteroidetes</i> sp. F0290
16	clique	2556793004	<i>Phocaeicola abscessus</i>	<i>Phocaeicola abscessus</i> CCUG 55929
20	clique	2531839610	<i>Thermotoga</i> sp.	<i>Thermotoga</i> sp. EMP
20	clique	637000321	<i>Thermotoga maritima</i>	<i>Thermotoga maritima</i> MSB8
20	clique	251989531	<i>Thermotoga maritima</i>	<i>Thermotoga maritima</i> MSB8, DSM 3109
20	clique	2554235387	<i>Thermotoga maritima</i>	<i>Thermotoga maritima</i> MSB8
32	clique	2551306100	<i>Bacillus</i> sp.	<i>Bacillus</i> sp. CPSM8
32	clique	2554235236	<i>Bacillus</i> sp.	<i>Bacillus</i> sp. SB47
32	clique	2551306715	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> 9945A
41	clique	649989958	unclassified	Lachnospiraceae bacterium sp. 8_1_57FAA
41	clique	651324046	unclassified	Lachnospiraceae bacterium 1_1_57FAA
41	clique	651324050	unclassified	Lachnospiraceae bacterium 3_1_46FAA
41	clique	640963025	<i>Ruminococcus torques</i>	<i>Ruminococcus torques</i> ATCC 27756
45	clique	2551306542	unclassified	<i>Herbaspirillum</i> sp. B65
45	clique	2551306545	unclassified	<i>Herbaspirillum</i> sp. B501
45	clique	2551306410	<i>Herbaspirillum seropedicae</i>	<i>Herbaspirillum seropedicae</i> Os45
45	clique	2551306416	<i>Herbaspirillum seropedicae</i>	<i>Herbaspirillum seropedicae</i> Os34
46	clique	646206273	<i>Bacteroides</i> sp.	<i>Bacteroides</i> sp. 3_2_5
46	clique	647533110	<i>Bacteroides</i> sp.	<i>Bacteroides</i> sp. 2_1_16
46	clique	651324014	<i>Bacteroides</i> sp.	<i>Bacteroides</i> sp. 2_1_56FAA
46	clique	637000024	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> NCTC 9343
46	clique	637000025	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> YCH46
46	clique	650377910	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> 638R
46	clique	2531839304	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> CL03T12C07
46	clique	2531839305	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> CL07T00C01
46	clique	2531839306	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> CL07T12C05
46	clique	2534681944	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> HMW 615
46	clique	2537561570	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> CL05T12C13
46	clique	2537562066	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i> CL03T00C08
47	clique	2554235436	<i>Candidatus Portiera</i> sp.	<i>Candidatus Portiera aleyrodidarum</i> BT-B-HRs
47	clique	2517093038	<i>Candidatus Portiera aleyrodidarum</i>	<i>Candidatus Portiera aleyrodidarum</i> BT-B
47	clique	2518645538	<i>Candidatus Portiera aleyrodidarum</i>	<i>Candidatus Portiera aleyrodidarum</i> BT-Q-AWRs
47	clique	2522572174	<i>Candidatus Portiera aleyrodidarum</i>	<i>Candidatus Portiera aleyrodidarum</i> BT-QVLC
57	clique	2548877023	<i>Chlorogloeopsis</i> sp.	<i>Chlorogloeopsis</i> sp. PCC 9212
57	clique	2509601037	<i>Chlorogloeopsis fritschii</i>	<i>Chlorogloeopsis fritschii</i> PCC 6912 (CLC Draft 2)
57	clique	2551306142	<i>Chlorogloeopsis fritschii</i>	<i>Chlorogloeopsis fritschii</i> PCC 6912
66	clique	2551306396	<i>Paenibacillus</i> sp.	<i>Paenibacillus</i> sp. ICGEB2008
66	clique	2547132099	<i>Paenibacillus polymyxa</i>	<i>Paenibacillus polymyxa</i> N.R. Smith 1105, ATCC 842
66	clique	2548876929	<i>Paenibacillus polymyxa</i>	<i>Paenibacillus polymyxa</i> OSY-DF
67	clique	2510065002	<i>Arsenophonus</i> sp.	<i>Arsenophonus</i> sp. ArN
67	clique	2524614872	<i>Arsenophonus nasoniae</i>	<i>Arsenophonus nasoniae</i> DSM 15247
68	clique	2554235432	<i>Haemophilus</i> sp.	<i>Haemophilus parasuis</i> ZJ0906
68	clique	641736156	<i>Haemophilus parasuis</i>	<i>Haemophilus parasuis</i> 29755
68	clique	643348556	<i>Haemophilus parasuis</i>	<i>Haemophilus parasuis</i> SH0165
68	clique	2541047150	<i>Haemophilus parasuis</i>	<i>Haemophilus parasuis</i> gx033
70	clique	2545824642	<i>Lactobacillus</i> sp.	<i>Lactobacillus rhamnosus</i> LOCK900
70	clique	2554235437	<i>Lactobacillus</i> sp.	<i>Lactobacillus rhamnosus</i> LOCK908
70	clique	642979366	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> HN001
70	clique	643886127	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> LMS2-1
70	clique	644736382	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> GG
70	clique	644736383	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> Lc 705
70	clique	646862332	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> GG, ATCC 53103
70	clique	2511231185	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> K, ATCC 8530
70	clique	2519899592	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> LRHMDP3
70	clique	2519899593	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> LRHMDP2
70	clique	2529293053	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> R0011
70	clique	2534681855	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> ATCC 21052
70	clique	2554235212	<i>Lactobacillus rhamnosus</i>	<i>Lactobacillus rhamnosus</i> CRL1505
71	clique	2509276012	<i>Bacillus</i> sp.	<i>Bacillus</i> sp. J13
71	clique	2506783046	<i>Paenibacillus lactis</i>	<i>Paenibacillus lactis</i> 154
72	clique	647533209	<i>Ruegeria</i> sp.	<i>Ruegeria</i> sp. TrichCH4B
72	clique	2504756012	<i>Ruegeria mobilis</i>	<i>Ruegeria mobilis</i> 45A6
72	clique	2534682167	<i>Ruegeria mobilis</i>	<i>Ruegeria mobilis</i> F1926
74	clique	2541047020	<i>Microbacterium</i> sp.	<i>Microbacterium</i> sp. oral taxon 186 F0373
74	clique	2531839539	<i>Microbacterium laevaniformans</i>	<i>Microbacterium laevaniformans</i> OR221
75	clique	2545824768	<i>Lactobacillus</i> sp.	<i>Lactobacillus plantarum</i> IPLA88
75	clique	637000141	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum</i> WCF51
75	clique	643886053	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum</i> ATCC 14917
75	clique	644736381	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum</i> JDM1

75 clique	648028037	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum plantarum</i> ST-III
75 clique	2505119027	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum</i> VBLLa 11-47
75 clique	2521172735	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum plantarum</i> NCS
75 clique	2540341093	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum</i> ZJ316
75 clique	2554235316	<i>Lactobacillus plantarum</i>	<i>Lactobacillus plantarum plantarum</i> P8
98 clique	2531839270	<i>Klebsiella</i> sp.	<i>Klebsiella</i> sp. OBRC7
98 clique	2511231124	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> KCTC 1686
98 clique	2518645552	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> E718
98 clique	2531839401	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> 10-5242
100 clique	2540341040	<i>Pseudoalteromonas</i> sp.	<i>Pseudoalteromonas</i> sp. BSI20429
100 clique	2541047156	<i>Pseudoalteromonas arctica</i>	<i>Pseudoalteromonas arctica</i> A 37-1-2
108 clique	651324053	unclassified	<i>Lachnospiraceae</i> bacterium 5_1_57FAA
108 clique	641736197	<i>Clostridium scindens</i>	<i>Clostridium scindens</i> ATCC 35704
110 clique	2529293266	<i>Bacteroides</i> sp.	<i>Bacteroides</i> sp. HPS0048
110 clique	2537561664	<i>Bacteroides nordii</i>	<i>Bacteroides nordii</i> CL02T12C05
113 clique	2537561888	<i>Eubacterium</i> sp.	<i>Eubacterium</i> sp. AS15
113 clique	648276673	<i>Eubacterium yurii</i>	<i>Eubacterium yurii</i> margaretae ATCC 43715
115 clique	643692015	<i>Chloroflexus</i> sp.	<i>Chloroflexus</i> sp. Y-400-fl
115 clique	641228485	<i>Chloroflexus aurantiacus</i>	<i>Chloroflexus aurantiacus</i> J-10-fl
120 clique	649633088	<i>Rahnella</i> sp.	<i>Rahnella</i> sp. Y9602
120 clique	2513237194	<i>Rahnella aquatilis</i>	<i>Rahnella aquatilis</i> HX2
121 clique	651324054	unclassified	<i>Lachnospiraceae</i> bacterium 6_1_63FAA
121 clique	643886146	<i>Blautia hansenii</i>	<i>Blautia hansenii</i> VPI C7-24, DSM 20583
130 clique	651324019	<i>Capnocytophaga</i> sp.	<i>Capnocytophaga</i> sp. oral taxon 329 F0087
130 clique	2513237390	<i>Paraprevotella clara</i>	<i>Paraprevotella clara</i> YIT 11840
133 clique	2511231094	<i>Pseudogulbenkiania</i> sp.	<i>Pseudogulbenkiania</i> sp. NH8B
133 clique	643886068	<i>Pseudogulbenkiania ferrooxidans</i>	<i>Pseudogulbenkiania ferrooxidans</i> 2002
136 clique	647000294	<i>Prevotella</i> sp.	<i>Prevotella</i> sp. F0295
136 clique	2518645604	<i>Prevotella loeschii</i>	<i>Prevotella loeschii</i> DSM 19665
137 clique	64989930	<i>Eggerthella</i> sp.	<i>Eggerthella</i> sp. 1_3_56FAA
137 clique	651324028	<i>Eggerthella</i> sp.	<i>Eggerthella</i> sp. HGA1
137 clique	644736358	<i>Eggerthella lenta</i>	<i>Eggerthella lenta</i> VPI 0255, DSM 2243
140 clique	2513237299	<i>Synergistes</i> sp.	<i>Synergistes</i> sp. 3_1_syn1
140 clique	2510065052	<i>Cloacibacillus evryensis</i>	<i>Cloacibacillus evryensis</i> 158, DSM 19522
144 clique	2521172563	<i>Thioalkalivibrio</i> sp.	<i>Thioalkalivibrio</i> sp. ARh5
144 clique	2523231052	<i>Thioalkalivibrio</i> sp.	<i>Thioalkalivibrio</i> sp. ARh3
144 clique	2519899645	<i>Thioalkalivibrio thiocyanoxidans</i>	<i>Thioalkalivibrio thiocyanoxidans</i> ARh2
146 clique	2524614702	<i>Dorea</i> sp.	<i>Dorea</i> sp. AGR2135
146 clique	641736133	<i>Dorea formicigenerans</i>	<i>Dorea formicigenerans</i> ATCC 27755
146 clique	2513237343	<i>Dorea formicigenerans</i>	<i>Dorea formicigenerans</i> 4_6_53AFAA
147 clique	646206262	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. 2_1_31
147 clique	2534681820	<i>Fusobacterium periodonticum</i>	<i>Fusobacterium periodonticum</i> D10
168 clique	647533241	<i>Veillonella</i> sp.	<i>Veillonella</i> sp. 3_1_44
168 clique	647533242	<i>Veillonella</i> sp.	<i>Veillonella</i> sp. 6_1_27
168 clique	647000331	<i>Veillonella parvula</i>	<i>Veillonella parvula</i> ATCC 17745
170 clique	2519899624	<i>Citrobacter</i> sp.	<i>Citrobacter</i> sp. A1
170 clique	2519899729	<i>Citrobacter</i> sp.	<i>Citrobacter</i> sp. L17
170 clique	2519899575	<i>Citrobacter freundii</i>	<i>Citrobacter freundii</i> ATCC 8090
170 clique	2531839651	<i>Citrobacter freundii</i>	<i>Citrobacter freundii</i> GTC 09479
170 clique	2534682223	<i>Citrobacter freundii</i>	<i>Citrobacter freundii</i> GTC 09629
177 clique	2522125170	<i>Microbacterium</i> sp.	<i>Microbacterium</i> sp. 11MF
177 clique	2521172614	<i>Microbacterium paraoxydans</i>	<i>Microbacterium paraoxydans</i> 77MFTsu3.2
181 clique	2513237322	<i>Bilophila</i> sp.	<i>Bilophila</i> sp. 4_1_30
181 clique	64989917	<i>Bilophila wadsworthia</i>	<i>Bilophila wadsworthia</i> 3_1_6
187 clique	651324080	<i>Paenibacillus</i> sp.	<i>Paenibacillus</i> sp. HGF5
187 clique	646311929	<i>Paenibacillus lautus</i>	<i>Paenibacillus lautus</i> Y412MC10
203 clique	2512047053	<i>Alistipes</i> sp.	<i>Alistipes</i> sp. HGB5
203 clique	2509601035	<i>Alistipes finegoldii</i>	<i>Alistipes finegoldii</i> AHN 2437, DSM 17242
221 clique	643886056	<i>Acidaminococcus</i> sp.	<i>Acidaminococcus</i> sp. D21
221 clique	2541047012	<i>Acidaminococcus</i> sp.	<i>Acidaminococcus</i> sp. HPA0509
221 clique	2511231106	<i>Acidaminococcus intestini</i>	<i>Acidaminococcus intestini</i> RyC-MR95
221 clique	2524614855	<i>Acidaminococcus intestini</i>	<i>Acidaminococcus intestini</i> DSM 21505
223 clique	643692055	<i>Wolbachia</i> sp.	<i>Wolbachia</i> sp. wRI
223 clique	2540341171	<i>Wolbachia</i> sp.	<i>Wolbachia</i> endosymbiont of <i>Drosophila simulans</i> wHa
223 clique	637000339	<i>Wolbachia endosymbiont</i>	<i>Wolbachia</i> endosymbiont of <i>Drosophila melanogaster</i>
225 clique	2529293077	<i>Slackia</i> sp.	<i>Slackia</i> sp. CM382
225 clique	645951837	<i>Slackia exigua</i>	<i>Slackia exigua</i> ATCC 700122
233 clique	2531839536	<i>Acinetobacter</i> sp.	<i>Acinetobacter</i> sp. NBRC 100985
233 clique	2551306081	<i>Acinetobacter venetianus</i>	<i>Acinetobacter venetianus</i> RAG-1
233 clique	2551306104	<i>Acinetobacter venetianus</i>	<i>Acinetobacter venetianus</i> VE-C3
237 clique	647000328	<i>Streptomyces</i> sp.	<i>Streptomyces griseus</i> XyelbKG-1 1
237 clique	641522653	<i>Streptomyces griseus</i>	<i>Streptomyces griseus</i> griseus NBRC 13350
243 clique	646206251	<i>Coprobacillus</i> sp.	<i>Coprobacillus</i> sp. D7
243 clique	2513237364	<i>Coprobacillus</i> sp.	<i>Coprobacillus</i> sp. 8_2_54BFAA
243 clique	2513237376	<i>Coprobacillus</i> sp.	<i>Coprobacillus</i> sp. 3_3_56FAA
243 clique	641736198	<i>Clostridium ramosum</i>	<i>Clostridium ramosum</i> VPI 0427, DSM 1402
254 clique	651324091	<i>Propionibacterium</i> sp.	<i>Propionibacterium</i> sp. 409-HC1
254 clique	651324092	<i>Propionibacterium</i> sp.	<i>Propionibacterium</i> sp. 434-HC2
254 clique	2512047068	<i>Propionibacterium</i> sp.	<i>Propionibacterium</i> sp. CC003-HC2
254 clique	2513237388	<i>Propionibacterium</i> sp.	<i>Propionibacterium</i> sp. 5_U_42AFAA
254 clique	637000215	<i>Propionibacterium acnes</i>	<i>Propionibacterium acnes</i> KPA171202
254 clique	646564561	<i>Propionibacterium acnes</i>	<i>Propionibacterium acnes</i> SK137
254 clique	647000296	<i>Propionibacterium acnes</i>	<i>Propionibacterium acnes</i> J139
254 clique	647000297	<i>Propionibacterium acnes</i>	<i>Propionibacterium acnes</i> J165
254 clique	647000298	<i>Propionibacterium acnes</i>	<i>Propionibacterium acnes</i> SK187

254 clique	651053058	Propionibacterium acnes	Propionibacterium acnes 266
254 clique	651053059	Propionibacterium acnes	Propionibacterium acnes 6609
254 clique	2511231063	Propionibacterium acnes	Propionibacterium acnes TypeIA2 P.acn33
254 clique	2511231095	Propionibacterium acnes	Propionibacterium acnes TypeIA2 P.acn31
254 clique	2511231125	Propionibacterium acnes	Propionibacterium acnes TypeIA2 P.acn17
254 clique	2511231219	Propionibacterium acnes	Propionibacterium acnes ATCC 11828
254 clique	2515154214	Propionibacterium acnes	Propionibacterium acnes DSM 1897
254 clique	2516143011	Propionibacterium acnes	Propionibacterium acnes PRP-38
254 clique	2522572173	Propionibacterium acnes	Propionibacterium acnes C1
254 clique	2529292840	Propionibacterium acnes	Propionibacterium acnes HL002PA2
254 clique	2529292847	Propionibacterium acnes	Propionibacterium acnes HL063PA2
254 clique	2529292952	Propionibacterium acnes	Propionibacterium acnes HL082PA2
254 clique	2531839222	Propionibacterium acnes	Propionibacterium acnes HL045PA1
254 clique	2531839223	Propionibacterium acnes	Propionibacterium acnes HL013PA1
254 clique	2531839225	Propionibacterium acnes	Propionibacterium acnes HL020PA1
254 clique	2531839226	Propionibacterium acnes	Propionibacterium acnes HL053PA2
254 clique	2531839313	Propionibacterium acnes	Propionibacterium acnes HL087PA2
254 clique	2531839314	Propionibacterium acnes	Propionibacterium acnes HL087PA3
254 clique	2531839315	Propionibacterium acnes	Propionibacterium acnes HL110PA4
254 clique	2531839316	Propionibacterium acnes	Propionibacterium acnes HL087PA1
254 clique	2531839317	Propionibacterium acnes	Propionibacterium acnes HL092PA1
254 clique	2531839318	Propionibacterium acnes	Propionibacterium acnes HL083PA1
254 clique	2531839319	Propionibacterium acnes	Propionibacterium acnes HL060PA1
254 clique	2531839320	Propionibacterium acnes	Propionibacterium acnes HL038PA1
254 clique	2531839323	Propionibacterium acnes	Propionibacterium acnes HL083PA2
254 clique	2531839324	Propionibacterium acnes	Propionibacterium acnes HL025PA1
254 clique	2531839421	Propionibacterium acnes	Propionibacterium acnes HL036PA3
254 clique	2531839423	Propionibacterium acnes	Propionibacterium acnes HL030PA2
254 clique	2531839424	Propionibacterium acnes	Propionibacterium acnes HL001PA1
254 clique	2531839425	Propionibacterium acnes	Propionibacterium acnes HL036PA1
254 clique	2531839426	Propionibacterium acnes	Propionibacterium acnes HL036PA2
254 clique	2531839427	Propionibacterium acnes	Propionibacterium acnes HL050PA1
254 clique	2531839428	Propionibacterium acnes	Propionibacterium acnes HL050PA2
254 clique	2531839429	Propionibacterium acnes	Propionibacterium acnes HL050PA3
254 clique	2531839430	Propionibacterium acnes	Propionibacterium acnes HL030PA1
254 clique	2531839451	Propionibacterium acnes	Propionibacterium acnes FZ1/2/0
254 clique	2534681798	Propionibacterium acnes	Propionibacterium acnes HL037PA1
254 clique	2534682005	Propionibacterium acnes	Propionibacterium acnes HL078PA1
254 clique	2537561578	Propionibacterium acnes	Propionibacterium acnes HL110PA3
254 clique	2537561579	Propionibacterium acnes	Propionibacterium acnes HL110PA2
254 clique	2537561580	Propionibacterium acnes	Propionibacterium acnes HL043PA2
254 clique	2537561581	Propionibacterium acnes	Propionibacterium acnes HL043PA1
254 clique	2537561582	Propionibacterium acnes	Propionibacterium acnes HL013PA2
254 clique	2537561583	Propionibacterium acnes	Propionibacterium acnes HL110PA1
254 clique	2537561584	Propionibacterium acnes	Propionibacterium acnes HL074PA1
254 clique	2537561585	Propionibacterium acnes	Propionibacterium acnes HL072PA2
254 clique	2537561586	Propionibacterium acnes	Propionibacterium acnes HL072PA1
254 clique	2537561594	Propionibacterium acnes	Propionibacterium acnes HL099PA1
254 clique	2537561595	Propionibacterium acnes	Propionibacterium acnes HL097PA1
254 clique	2537561596	Propionibacterium acnes	Propionibacterium acnes HL103PA1
254 clique	2537561597	Propionibacterium acnes	Propionibacterium acnes HL096PA3
254 clique	2537561598	Propionibacterium acnes	Propionibacterium acnes HL096PA2
254 clique	2537561671	Propionibacterium acnes	Propionibacterium acnes HL046PA2
254 clique	2537561672	Propionibacterium acnes	Propionibacterium acnes HL046PA1
254 clique	2537561673	Propionibacterium acnes	Propionibacterium acnes HL005PA2
254 clique	2537561674	Propionibacterium acnes	Propionibacterium acnes HL005PA1
254 clique	2537561675	Propionibacterium acnes	Propionibacterium acnes HL059PA1
254 clique	2537561676	Propionibacterium acnes	Propionibacterium acnes HL025PA2
254 clique	2537561677	Propionibacterium acnes	Propionibacterium acnes HL086PA1
254 clique	2537561678	Propionibacterium acnes	Propionibacterium acnes HL059PA2
254 clique	2537561681	Propionibacterium acnes	Propionibacterium acnes HL005PA4
254 clique	2537561682	Propionibacterium acnes	Propionibacterium acnes HL005PA3
254 clique	2537561736	Propionibacterium acnes	Propionibacterium acnes HL082PA1
254 clique	2537561743	Propionibacterium acnes	Propionibacterium acnes HL056PA1
254 clique	2537561815	Propionibacterium acnes	Propionibacterium acnes HL007PA1
254 clique	2537561816	Propionibacterium acnes	Propionibacterium acnes HL002PA3
254 clique	2537561817	Propionibacterium acnes	Propionibacterium acnes HL053PA1
254 clique	2537561818	Propionibacterium acnes	Propionibacterium acnes HL002PA1
254 clique	2537561819	Propionibacterium acnes	Propionibacterium acnes HL063PA1
254 clique	2537561820	Propionibacterium acnes	Propionibacterium acnes HL027PA2
254 clique	2537561821	Propionibacterium acnes	Propionibacterium acnes HL027PA1
254 clique	2537561822	Propionibacterium acnes	Propionibacterium acnes HL067PA1
254 clique	2537562124	Propionibacterium acnes	Propionibacterium acnes SK182
254 clique	2540341064	Propionibacterium acnes	Propionibacterium acnes HL096PA1
259 clique	2545824769	Pasteurella sp.	Pasteurella multocida RIF
259 clique	2545824770	Pasteurella sp.	Pasteurella multocida P1933
259 clique	2545824771	Pasteurella sp.	Pasteurella multocida 1500C
259 clique	2545824772	Pasteurella sp.	Pasteurella multocida 2000
259 clique	2545824773	Pasteurella sp.	Pasteurella multocida 671/90
259 clique	637000203	Pasteurella multocida	Pasteurella multocida multocida Pm70
259 clique	2512047043	Pasteurella multocida	Pasteurella multocida 36950
259 clique	2512564074	Pasteurella multocida	Pasteurella multocida multocida HN06
259 clique	2513237228	Pasteurella multocida	Pasteurella multocida multocida P-3480
259 clique	2519103085	Pasteurella multocida	Pasteurella multocida multocida P52VAC
259 clique	2529293056	Pasteurella multocida	Pasteurella multocida multocida Anand1_goat

259 clique	2529293057	<i>Pasteurella multocida</i>	<i>Pasteurella multocida</i> gallicida Anand1_poultry
265 clique	2551306356	<i>Pseudomonas</i> sp.	<i>Pseudomonas</i> sp. S5.2
265 clique	650716075	<i>Pseudomonas mendocina</i>	<i>Pseudomonas mendocina</i> NK-01
272 clique	2551306543	<i>Pantoea</i> sp.	<i>Pantoea</i> sp. B40
272 clique	646564558	<i>Pantoea ananatis</i>	<i>Pantoea ananatis</i> LMG 20103
272 clique	651053056	<i>Pantoea ananatis</i>	<i>Pantoea ananatis</i> AJ13355
272 clique	2511231160	<i>Pantoea ananatis</i>	<i>Pantoea ananatis</i> PA13
272 clique	2511231178	<i>Pantoea ananatis</i>	<i>Pantoea ananatis</i> LMG 5342
275 clique	650716007	<i>Agrobacterium</i> sp.	<i>Agrobacterium</i> sp. H13-3
275 clique	2521172663	<i>Agrobacterium</i> sp.	<i>Agrobacterium</i> sp. 10MFCol1.1
275 clique	2537562123	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i> 5A
275 clique	2554235003	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i> WRT31
276 clique	2554235291	unclassified	<i>Sphingomonas</i> sp. YL-JM2C
276 clique	640427144	<i>Sphingomonas wittichii</i>	<i>Sphingomonas wittichii</i> RW1
276 clique	2548876930	<i>Sphingomonas wittichii</i>	<i>Sphingomonas wittichii</i> DP58
278 clique	2521172537	<i>Klebsiella</i> sp.	<i>Klebsiella</i> sp. BRL6-2
278 clique	2531839402	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> 10-5243
278 clique	2531839404	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> 10-5245
278 clique	2547132040	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> 10-5248
278 clique	2548876782	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> 11492-1
284 clique	2551306561	<i>Aeromonas</i> sp.	<i>Aeromonas</i> sp. MDS8
284 clique	2529292917	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> SSU
284 clique	2551306511	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> 277
284 clique	2551306512	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> 113
284 clique	2551306513	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> 259
284 clique	2551306514	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> 187
284 clique	2551306515	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> 173
284 clique	2551306648	<i>Aeromonas hydrophila</i>	<i>Aeromonas hydrophila</i> 14
286 clique	2554235234	<i>Klebsiella</i> sp.	<i>Klebsiella oxytoca</i> SA2
286 clique	2519899599	<i>Klebsiella oxytoca</i>	<i>Klebsiella oxytoca</i> M5al
292 clique	643886214	<i>Acinetobacter</i> sp.	<i>Acinetobacter</i> sp. ATCC 27244
292 clique	647000202	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> ATCC 19194
292 clique	2537561554	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> CIP 64.3
292 clique	2537561834	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> NIPH 261
292 clique	2545824737	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> MTCC 9819
292 clique	2551306342	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> TG19599
292 clique	2551306343	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> TG21157
292 clique	2551306346	<i>Acinetobacter haemolyticus</i>	<i>Acinetobacter haemolyticus</i> TG19602
293 clique	645058833	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. D11
293 clique	646206252	<i>Fusobacterium</i> sp.	<i>Fusobacterium nucleatum</i> animalis 7_1
293 clique	647533170	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. 3_1_33
293 clique	651324032	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. 11_3_2
293 clique	651324033	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. 21_1A
293 clique	2554235311	<i>Fusobacterium</i> sp.	<i>Fusobacterium</i> sp. 4_8
293 clique	2531839191	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i> polymorphum F0401
293 clique	2537561939	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i> animalis F0419
293 clique	2554235040	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i> animalis ChDC F324
298 clique	2529292817	<i>Capnocytophaga</i> sp.	<i>Capnocytophaga</i> sp. oral taxon 380 F0488
298 clique	2531839279	<i>Capnocytophaga</i> sp.	<i>Capnocytophaga</i> sp. oral taxon 335 F0486
298 clique	2531839552	<i>Capnocytophaga</i> sp.	<i>Capnocytophaga</i> sp. oral taxon 324 F0483
298 clique	2540341000	<i>Capnocytophaga</i> sp.	<i>Capnocytophaga</i> sp. oral taxon 412 F0487
298 clique	2541047019	<i>Capnocytophaga</i> sp.	<i>Capnocytophaga</i> sp. oral taxon 336 F0502
298 clique	644736338	<i>Capnocytophaga ochracea</i>	<i>Capnocytophaga ochracea</i> VPI 2845, DSM 7271
298 clique	649989920	<i>Capnocytophaga ochracea</i>	<i>Capnocytophaga ochracea</i> F0287
298 clique	2531839278	<i>Capnocytophaga ochracea</i>	<i>Capnocytophaga ochracea</i> Holt 25, ATCC 33596
301 clique	2541047255	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD8
301 clique	2541047256	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD9
301 clique	2541047257	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD18
301 clique	2541047259	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD17
301 clique	2541047260	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD13
301 clique	2541047263	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD40
301 clique	2541047265	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD34
301 clique	2541047269	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD43
301 clique	2541047270	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD49
301 clique	2541047271	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD47
301 clique	2541047272	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD46
301 clique	2541047273	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD45
301 clique	2541047274	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD51
301 clique	2541047278	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD70
301 clique	2541047281	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD104
301 clique	2541047282	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD109
301 clique	2541047283	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD90
301 clique	2541047284	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD111
301 clique	2541047286	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD129
301 clique	2541047288	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD131
301 clique	2541047289	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD159
301 clique	2541047291	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD149
301 clique	2541047292	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD144
301 clique	2541047296	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD169
301 clique	2541047300	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD178
301 clique	2541047301	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD181
301 clique	2541047302	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD200
301 clique	2541047303	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> CD201
301 clique	2541047307	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> 655
301 clique	2541047310	<i>Clostridium</i> sp.	<i>Clostridium difficile</i> 842

301 clique	2541047313	Clostridium sp.	Clostridium difficile 6057
301 clique	2541047314	Clostridium sp.	Clostridium difficile DA00044
301 clique	2541047317	Clostridium sp.	Clostridium difficile DA00114
301 clique	2541047318	Clostridium sp.	Clostridium difficile DA00126
301 clique	2541047319	Clostridium sp.	Clostridium difficile DA00128
301 clique	2541047320	Clostridium sp.	Clostridium difficile DA00129
301 clique	2541047321	Clostridium sp.	Clostridium difficile DA00141
301 clique	2541047322	Clostridium sp.	Clostridium difficile DA00131
301 clique	2541047325	Clostridium sp.	Clostridium difficile DA00142
301 clique	2541047327	Clostridium sp.	Clostridium difficile DA00149
301 clique	2541047329	Clostridium sp.	Clostridium difficile DA00160
301 clique	2541047330	Clostridium sp.	Clostridium difficile DA00167
301 clique	2541047332	Clostridium sp.	Clostridium difficile DA00174
301 clique	2541047333	Clostridium sp.	Clostridium difficile DA00189
301 clique	2541047335	Clostridium sp.	Clostridium difficile DA00191
301 clique	2541047337	Clostridium sp.	Clostridium difficile DA00196
301 clique	2541047339	Clostridium sp.	Clostridium difficile DA00197
301 clique	2541047341	Clostridium sp.	Clostridium difficile DA00203
301 clique	2541047344	Clostridium sp.	Clostridium difficile DA00244
301 clique	2541047346	Clostridium sp.	Clostridium difficile DA00232
301 clique	2541047347	Clostridium sp.	Clostridium difficile DA00216
301 clique	2541047348	Clostridium sp.	Clostridium difficile DA00215
301 clique	2541047349	Clostridium sp.	Clostridium difficile DA00245
301 clique	2541047352	Clostridium sp.	Clostridium difficile DA00275
301 clique	2541047354	Clostridium sp.	Clostridium difficile DA00273
301 clique	2541047356	Clostridium sp.	Clostridium difficile DA00313
301 clique	2541047358	Clostridium sp.	Clostridium difficile DA00310
301 clique	2541047360	Clostridium sp.	Clostridium difficile DA00306
301 clique	2541047361	Clostridium sp.	Clostridium difficile F253
301 clique	2541047362	Clostridium sp.	Clostridium difficile F249
301 clique	2541047365	Clostridium sp.	Clostridium difficile Y10
301 clique	2541047369	Clostridium sp.	Clostridium difficile Y41
301 clique	2541047373	Clostridium sp.	Clostridium difficile Y215
301 clique	2541047374	Clostridium sp.	Clostridium difficile Y231
301 clique	2541047375	Clostridium sp.	Clostridium difficile Y312
301 clique	2541047377	Clostridium sp.	Clostridium difficile Y307
301 clique	2541047378	Clostridium sp.	Clostridium difficile Y247
301 clique	2541047382	Clostridium sp.	Clostridium difficile Y381
301 clique	2541047384	Clostridium sp.	Clostridium difficile Y401
301 clique	2541047386	Clostridium sp.	Clostridium difficile P5
301 clique	2541047388	Clostridium sp.	Clostridium difficile P7
301 clique	2541047392	Clostridium sp.	Clostridium difficile P19
301 clique	2541047393	Clostridium sp.	Clostridium difficile P21
301 clique	2541047396	Clostridium sp.	Clostridium difficile P25
301 clique	2541047397	Clostridium sp.	Clostridium difficile P20
301 clique	2541047400	Clostridium sp.	Clostridium difficile P30
301 clique	2541047405	Clostridium sp.	Clostridium difficile P42
301 clique	2541047406	Clostridium sp.	Clostridium difficile P45
301 clique	2541047409	Clostridium sp.	Clostridium difficile P49
301 clique	2541047413	Clostridium sp.	Clostridium difficile P59
301 clique	2541047415	Clostridium sp.	Clostridium difficile P72
301 clique	2541047416	Clostridium sp.	Clostridium difficile P70
301 clique	2541047417	Clostridium sp.	Clostridium difficile P69
301 clique	2541047419	Clostridium sp.	Clostridium difficile P74
301 clique	2541047420	Clostridium sp.	Clostridium difficile P75
301 clique	2541047488	Clostridium sp.	Clostridium difficile CD196
301 clique	2541047496	Clostridium sp.	Clostridium difficile P11
301 clique	2541047511	Clostridium sp.	Clostridium difficile F548
301 clique	2541047514	Clostridium sp.	Clostridium difficile F200
301 clique	638341066	Clostridium difficile	Clostridium difficile QCD-32g58
301 clique	640069308	Clostridium difficile	Clostridium difficile 630 (epidemic type X)
301 clique	641736216	Clostridium difficile	Clostridium difficile QCD-76w55, NAP1
301 clique	641736217	Clostridium difficile	Clostridium difficile QCD-63q42
301 clique	641736218	Clostridium difficile	Clostridium difficile QCD-37x79, NAP1a/001
301 clique	641736219	Clostridium difficile	Clostridium difficile QCD-97b34, NAP1b/006
301 clique	642791606	Clostridium difficile	Clostridium difficile CIP 107932
301 clique	642791631	Clostridium difficile	Clostridium difficile QCD-23m63
301 clique	645058803	Clostridium difficile	Clostridium difficile QCD-66c26
301 clique	646311914	Clostridium difficile	Clostridium difficile CD196
301 clique	646311915	Clostridium difficile	Clostridium difficile R20291
301 clique	647000226	Clostridium difficile	Clostridium difficile B19
301 clique	647000227	Clostridium difficile	Clostridium difficile NAP07
301 clique	647000228	Clostridium difficile	Clostridium difficile NAP08
301 clique	2512047057	Clostridium difficile	Clostridium difficile VPI 10463, ATCC 43255
301 clique	2515154168	Clostridium difficile	Clostridium difficile ATCC 9689
301 clique	2526164710	Clostridium difficile	Clostridium difficile DSM 1296
301 clique	2534681960	Clostridium difficile	Clostridium difficile 002-P50-2011
301 clique	2534681961	Clostridium difficile	Clostridium difficile 050-P50-2011
301 clique	2537561695	Clostridium difficile	Clostridium difficile 70-100-2010
301 clique	2541047254	Clostridium difficile	Clostridium difficile CD3
301 clique	2541047258	Clostridium difficile	Clostridium difficile CD21
301 clique	2541047261	Clostridium difficile	Clostridium difficile CD22
301 clique	2541047262	Clostridium difficile	Clostridium difficile CD39
301 clique	2541047264	Clostridium difficile	Clostridium difficile CD38
301 clique	2541047266	Clostridium difficile	Clostridium difficile CD44

311 clique	645058782	Bacteroides sp.	Bacteroides sp. 2_1_7
311 clique	647533112	Bacteroides sp.	Bacteroides sp. 2_1_33B
311 clique	648861001	Bacteroides sp.	Bacteroides sp. 20_3
311 clique	648861002	Bacteroides sp.	Bacteroides sp. 3_1_19
311 clique	646206279	Parabacteroides sp.	Parabacteroides sp. D13
311 clique	640753039	Parabacteroides distasonis	Parabacteroides distasonis ATCC 8503
311 clique	2534682208	Parabacteroides distasonis	Parabacteroides distasonis CL09T03C24
311 clique	2534682209	Parabacteroides distasonis	Parabacteroides distasonis CL03T12C09
312 clique	2504756062	Paenibacillus sp.	Paenibacillus sp. J6
312 clique	2505679063	Paenibacillus sp.	Paenibacillus sp. J10
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	2505679060	Paenibacillus barengoltzii	Paenibacillus barengoltzii J12
312 clique	2528768208	Paenibacillus barengoltzii	Paenibacillus barengoltzii J12
313 clique	645951866	Fusobacterium sp.	Fusobacterium sp. 3_1_5R
313 clique	645951804	Fusobacterium gonidiaformans	Fusobacterium gonidiaformans ATCC 25563
316 clique	646311966	Vibrio sp.	Vibrio sp. Ex25
316 clique	254555817	Vibrio sp.	Vibrio sp. Ex25
316 clique	2534682140	Vibrio alginolyticus	Vibrio alginolyticus E0666
324 clique	2522572104	Burkholderia sp.	Burkholderia sp. URHA0054
324 clique	641736151	Burkholderia graminis	Burkholderia graminis C4D1M
340 clique	2512047052	Actinomyces sp.	Actinomyces sp. F0384
340 clique	649989905	Actinomyces viscosus	Actinomyces viscosus C505
342 clique	2516493017	Desulfotobacterium sp.	Desulfotobacterium sp. LBE
342 clique	637000093	Desulfotobacterium hafniense	Desulfotobacterium hafniense Y51
342 clique	643348537	Desulfotobacterium hafniense	Desulfotobacterium hafniense DCB-2
342 clique	2513020008	Desulfotobacterium hafniense	Desulfotobacterium hafniense TCE-1
342 clique	2513237149	Desulfotobacterium hafniense	Desulfotobacterium hafniense PCP-1
342 clique	2516653041	Desulfotobacterium hafniense	Desulfotobacterium hafniense TCP-A
342 clique	2522572064	Desulfotobacterium hafniense	Desulfotobacterium hafniense DP7 (draft 151 contigs)
350 clique	646206263	Bacteroides sp.	Bacteroides sp. 9_1_42FAA
350 clique	647533113	Bacteroides sp.	Bacteroides sp. 3_1_33FAA
350 clique	642979370	Bacteroides dorei	Bacteroides dorei DSM 17855
350 clique	646206258	Bacteroides dorei	Bacteroides dorei 5_1_36/D4
350 clique	2531839307	Bacteroides dorei	Bacteroides dorei CL02T12C06
350 clique	2531839308	Bacteroides dorei	Bacteroides dorei CL03T12C01
350 clique	2537562062	Bacteroides dorei	Bacteroides dorei CL02T00C15
351 clique	2551306537	Enterobacter sp.	Enterobacter sp. B509
351 clique	2547132296	Enterobacter mori	Enterobacter mori LMG 25706
361 clique	2516653053	Deinococcus sp.	Deinococcus sp. 2009
361 clique	2524614857	Deinococcus ficus	Deinococcus ficus DSM 19119
370 clique	2526164723	Pectobacterium sp.	Pectobacterium sp. SCC3193
370 clique	646311947	Pectobacterium wasabiae	Pectobacterium wasabiae WPP163
380 clique	2537561632	Capnocytophaga sp.	Capnocytophaga sp. CM59
380 clique	2541046980	Capnocytophaga granulosa	Capnocytophaga granulosa ATCC 51502
384 clique	2513237088	Rhizobium sp.	Rhizobium sp. STM6155
384 clique	2534682333	Rhizobium mesoamericanum	Rhizobium mesoamericanum STM3625
400 clique	649633069	unclassified	Micromonospora sp. L5
400 clique	2501939600	unclassified	Micromonospora L5
400 clique	648028042	Micromonospora aurantiaca	Micromonospora aurantiaca ATCC 27029
410 clique	2546826724	Methylobacterium sp.	Methylobacterium sp. EUR3 AL-11
410 clique	2547132193	Methylobacterium sp.	Methylobacterium sp. L2-4
410 clique	641522638	Methylobacterium radiotolerans	Methylobacterium radiotolerans JCM 2831
411 clique	639633059	Shewanella sp.	Shewanella sp. W3-18-1
411 clique	2510436004	Shewanella putrefaciens	Shewanella putrefaciens 200 (Missing data)
411 clique	2524023073	Shewanella putrefaciens	Shewanella putrefaciens CN-32
419 clique	2505679059	Ochrobactrum sp.	Ochrobactrum sp. J50
419 clique	2504756061	Ochrobactrum intermedium	Ochrobactrum intermedium J2
431 clique	2516653074	Burkholderia sp.	Burkholderia sp. WSM4176
431 clique	2501025500	Burkholderia tuberum	Burkholderia tuberum STM678
436 clique	2551306696	Caldicellulosiruptor sp.	Caldicellulosiruptor sp. F32
436 clique	640427106	Caldicellulosiruptor saccharolyticus	Caldicellulosiruptor saccharolyticus DSM 8903
444 clique	648276706	Oscillatoria sp.	Oscillatoria sp. PCC 6506
444 clique	2508501075	Oscillatoria formosa	Oscillatoria formosa PCC 6407
452 clique	2541047099	Pseudomonas sp.	Pseudomonas sp. CF150
452 clique	2541047103	Pseudomonas sp.	Pseudomonas sp. CFT9
452 clique	2521172707	Pseudomonas fluorescens	Pseudomonas fluorescens A506
455 clique	2508501008	unclassified	Azospira sp. ZAP
455 clique	2508501046	Azospira suillum	Azospira suillum PS
462 clique	2505679024	Fischerella sp.	Fischerella sp. JSC-11
462 clique	2548876998	Fischerella thermalis	Fischerella thermalis PCC 7521
480 clique	2529293097	Pelosinus fermentans	Pelosinus fermentans A11
480 clique	2529293098	Pelosinus fermentans	Pelosinus fermentans A12
480 clique	2529293099	Pelosinus fermentans	Pelosinus fermentans R7, DSM 17108
480 clique	2534682259	Pelosinus fermentans	Pelosinus fermentans B3
480 clique	2537561517	Pelosinus fermentans	Pelosinus fermentans B4
480 clique	2511231046	Pelosinus sp.	Pelosinus sp. HCF1
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
484 clique	2537561772	Campylobacter sp.	Campylobacter sp. FOBR14
484 clique	640753010	Campylobacter curvus	Campylobacter curvus 525.92
489 clique	2541047041	unclassified	Leptospira sp. sv. Kenya Sh9

489 clique	639633032	Leptospira borgpetersenii	Leptospira borgpetersenii sv Hardjo-ovis JB197
489 clique	639633033	Leptospira borgpetersenii	Leptospira borgpetersenii sv Hardjo-ovis L550
489 clique	2519103083	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Castellonis 200801910
489 clique	2519103130	Leptospira borgpetersenii	Leptospira borgpetersenii UI 09149
489 clique	2526164610	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Mini 201000851
489 clique	2526164642	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica MK146
489 clique	2526164643	Leptospira borgpetersenii	Leptospira borgpetersenii Brem 328
489 clique	2526164644	Leptospira borgpetersenii	Leptospira borgpetersenii Brem 307
489 clique	2528311142	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica UI 09931
489 clique	2537561563	Leptospira borgpetersenii	Leptospira borgpetersenii Noumea 25
489 clique	2537561607	Leptospira borgpetersenii	Leptospira borgpetersenii 200801926
489 clique	2541047033	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Hardjo-ovis Sponselee
489 clique	2548876766	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Kenya TE 0159
489 clique	2548876767	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica L0864
489 clique	2551306643	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Hardjo-ovis Lely 607
489 clique	2551306644	Leptospira borgpetersenii	Leptospira borgpetersenii sv. Javanica L0066
492 clique	2512047080	Vibrio sp.	Vibrio sp. N418
492 clique	2512047079	Vibrio scophthalmi	Vibrio scophthalmi LMG 19158
495 clique	648276708	Pantoea sp.	Pantoea sp. aB
495 clique	2541047590	Pantoea agglomerans	Pantoea agglomerans 299R
513 clique	648861006	unclassified	Burkholderiales bacterium 1_1_47
513 clique	651324084	Parasutterella excrementihominis	Parasutterella excrementihominis YIT 11859
531 clique	2541047040	unclassified	Leptospira sp. P2653
531 clique	2526164577	Leptospira weilii	Leptospira weilii 2006001855
531 clique	2534682340	Leptospira weilii	Leptospira weilii UI 13098
531 clique	2534682341	Leptospira weilii	Leptospira weilii LNT 1234
531 clique	2534682342	Leptospira weilii	Leptospira weilii Ecochallenge
531 clique	2548876967	Leptospira weilii	Leptospira weilii LNT 1194
531 clique	2548876968	Leptospira weilii	Leptospira weilii UI 14631
541 clique	2513237394	Neisseria sp.	Neisseria sp. GT4A_CT1
541 clique	651324075	Neisseria macacae	Neisseria macacae ATCC 33926
552 clique	651324015	unclassified	Bradyrhizobiaceae bacterium SG-6C
552 clique	2537561906	Afiplia clevelandensis	Afiplia clevelandensis ATCC 49720
559 clique	2513237395	Lactobacillus sp.	Lactobacillus sp. 7_1_47FAA
559 clique	645951832	Lactobacillus iners	Lactobacillus iners DSM 13335
559 clique	648276682	Lactobacillus iners	Lactobacillus iners AB-1
559 clique	649989959	Lactobacillus iners	Lactobacillus iners ATCC 55195
559 clique	649989960	Lactobacillus iners	Lactobacillus iners LEAF 2052A-d
559 clique	649989961	Lactobacillus iners	Lactobacillus iners LEAF 2053A-b
559 clique	649989962	Lactobacillus iners	Lactobacillus iners LEAF 2062A-h1
559 clique	649989963	Lactobacillus iners	Lactobacillus iners LEAF 3008A-a
559 clique	649989965	Lactobacillus iners	Lactobacillus iners LactinV 03V1-b
559 clique	649989966	Lactobacillus iners	Lactobacillus iners LactinV 09V1-c
559 clique	649989967	Lactobacillus iners	Lactobacillus iners LactinV 11V1-d
559 clique	649989968	Lactobacillus iners	Lactobacillus iners SPIN 2503V10-D
559 clique	651324062	Lactobacillus iners	Lactobacillus iners SPIN 1401G
559 clique	651324063	Lactobacillus iners	Lactobacillus iners UP11 143-D
559 clique	651324064	Lactobacillus iners	Lactobacillus iners UP11 60-B
577 clique	2519899622	Pseudomonas sp.	Pseudomonas sp. Ag1
577 clique	2531839262	Pseudomonas fluorescens	Pseudomonas fluorescens BBc6R8
590 clique	2540341169	Serratia sp.	Serratia sp. WW4
590 clique	2554235221	Serratia sp.	Serratia marcescens LCT-SM166
590 clique	2554235222	Serratia sp.	Serratia marcescens LCT-SM262
590 clique	2529293103	Serratia marcescens	Serratia marcescens VGH107
590 clique	2548876920	Serratia marcescens	Serratia marcescens LCT-SM213
595 clique	2502171177	Arcobacter sp.	Arcobacter sp. 1
595 clique	640753004	Arcobacter butzleri	Arcobacter butzleri RM4018
595 clique	649989908	Arcobacter butzleri	Arcobacter butzleri JV22
595 clique	2511231182	Arcobacter butzleri	Arcobacter butzleri ED-1
595 clique	2541046991	Arcobacter butzleri	Arcobacter butzleri 7h1h
600 clique	2513237383	Fusobacterium sp.	Fusobacterium sp. 12_1B
600 clique	645951859	Fusobacterium ulcerans	Fusobacterium ulcerans ATCC 49185
608 clique	2554235440	Mannheimia sp.	Mannheimia haemolytica USMARC_2286
608 clique	647000269	Mannheimia haemolytica	Mannheimia haemolytica A2 BOVINE
608 clique	647000270	Mannheimia haemolytica	Mannheimia haemolytica A2 OVINE
608 clique	647533181	Mannheimia haemolytica	Mannheimia haemolytica PHL213
608 clique	2523533563	Mannheimia haemolytica	Mannheimia haemolytica
608 clique	2537561899	Mannheimia haemolytica	Mannheimia haemolytica 6 H23
608 clique	2545824631	Mannheimia haemolytica	Mannheimia haemolytica USDA-ARS-USMARC-185
608 clique	2545824632	Mannheimia haemolytica	Mannheimia haemolytica USDA-ARS-USMARC-183
608 clique	2554235380	Mannheimia haemolytica	Mannheimia haemolytica D153
608 clique	2554235406	Mannheimia haemolytica	Mannheimia haemolytica D174
608 clique	2554235407	Mannheimia haemolytica	Mannheimia haemolytica D171
614 clique	647533114	Bacteroides sp.	Bacteroides sp. D20
614 clique	649989914	Bacteroides sp.	Bacteroides sp. 4_1_36
614 clique	641380447	Bacteroides uniformis	Bacteroides uniformis ATCC 8492
614 clique	2534681854	Bacteroides uniformis	Bacteroides uniformis CL03T12C37
614 clique	2537561752	Bacteroides uniformis	Bacteroides uniformis CL03T00C23
616 clique	2501846304	Xanthomonas sp.	Xanthomonas sp. 7
616 clique	651324109	Xanthomonas perforans	Xanthomonas gardneri PDDCC 1620, ATCC 19865
617 clique	2523231035	Gordonia sp.	Gordonia sp. KTR9
617 clique	2545824722	Gordonia terrae	Gordonia terrae C-6
620 clique	650377931	Erwinia sp.	Erwinia sp. Ejp617
620 clique	646564532	Erwinia pyrifoliae	Erwinia pyrifoliae Ep1/96
620 clique	646862321	Erwinia pyrifoliae	Erwinia pyrifoliae DSM 12163

629 clique	649989907 Anaerostipes sp.	Anaerostipes sp. 3_2_56FAA
629 clique	641736227 Anaerostipes caccae	Anaerostipes caccae DSM 14662
633 clique	2517572184 Streptomyces sp.	Streptomyces sp. CNY228
633 clique	2526164526 Streptomyces sp.	Streptomyces sp. LaPpAH-201
633 clique	2547132081 Streptomyces sp.	Streptomyces sp. S4
633 clique	645058823 Streptomyces albus	Streptomyces albus J1074
633 clique	2541047081 Streptomyces albus	Streptomyces albus J1074
634 clique	651324107 Turicibacter sp.	Turicibacter sp. HGF1
634 clique	647000330 Turicibacter sanguinis	Turicibacter sanguinis PC909
640 clique	2531839311 Acinetobacter sp.	Acinetobacter sp. HA
640 clique	2551306381 Acinetobacter schindleri	Acinetobacter schindleri TG19614
642 clique	2519899605 Staphylococcus sp.	Staphylococcus sp. OJ82
642 clique	2529293016 Staphylococcus equorum	Staphylococcus equorum equorum Mu2
644 clique	2508501006 Pseudomonas sp.	Pseudomonas sp. PK
644 clique	2518645567 Pseudomonas stutzeri	Pseudomonas stutzeri AN10, CCUG 29243
648 clique	2531839264 Rhodococcus sp.	Rhodococcus sp. JVH1
648 clique	2548877052 Rhodococcus sp.	Rhodococcus sp. DK17
648 clique	637000234 Rhodococcus jostii	Rhodococcus jostii RHA1
654 clique	2527291525 unclassified	Cloacimonetes bacterium JGI 0000039-G13 (Combined_Assembly_WWE1_1_WWE1)
654 clique	642555115 Candidatus Cloacamonas acidaminovorans	Candidatus Cloacamonas acidaminovorans
674 clique	2519899510 Methylobacterium sp.	Methylobacterium sp. 73s
674 clique	2516493010 Methylobacterium versatilis	Methylobacterium versatilis 79
677 clique	2537561631 Streptococcus sp.	Streptococcus sp. BS35b
677 clique	2537561966 Streptococcus oralis	Streptococcus oralis SK1074
683 clique	643886005 Clostridium sp.	Clostridium sp. M62/1
683 clique	650377923 Clostridium cf. saccharolyticum	Clostridium cf. saccharolyticum K10
691 clique	639857033 Pseudoalteromonas sp.	Pseudoalteromonas sp. TW-7
691 clique	2540341038 Pseudoalteromonas sp.	Pseudoalteromonas sp. BSI20480
691 clique	2541047158 Pseudoalteromonas marina	Pseudoalteromonas marina mano4
692 clique	2531839499 Anoxybacillus sp.	Anoxybacillus sp. DT3-1
692 clique	2551306365 Geobacillus caldioxysilyticus	Geobacillus caldioxysilyticus G10
699 clique	2519899670 Nocardioopsis sp.	Nocardioopsis sp. CNS639
699 clique	646564557 Nocardioopsis dassonvillei	Nocardioopsis dassonvillei dassonvillei DSM 43111
701 clique	2534682194 Burkholderia sp.	Burkholderia sp. BT03
701 clique	2537561811 Burkholderia terrae	Burkholderia terrae BS001
702 clique	2512875014 Desulfobacterium sp.	Desulfobacterium sp. PCE1, DSM 10344
702 clique	2507262031 Desulfobacterium dehalogenans	Desulfobacterium dehalogenans JW/IU-DC1, ATCC 51507
709 clique	650716032 Delftia sp.	Delftia sp. Cs1-4
709 clique	641228489 Delftia acidovorans	Delftia acidovorans SPH-1
712 clique	2551306544 Mycobacterium sp.	Mycobacterium sp. VKM Ac-1817D
712 clique	2519899744 Mycobacterium fortuitum	Mycobacterium fortuitum fortuitum DSM 46621
720 clique	2551306111 Pseudoalteromonas sp.	Pseudoalteromonas sp. NJ631
720 clique	2519899641 Pseudoalteromonas piscicida	Pseudoalteromonas piscicida ATCC 15057
720 clique	2541047159 Pseudoalteromonas piscicida	Pseudoalteromonas piscicida JCM 20779
724 clique	646206256 Citrobacter sp.	Citrobacter sp. 30_2
724 clique	2513237266 Citrobacter freundii	Citrobacter freundii 4_7_47CFAA
734 clique	2510917027 Brevibacillus sp.	Brevibacillus sp. CF112
734 clique	2524023183 Brevibacillus agri	Brevibacillus agri BAB-2500
735 clique	642555106 Anaeromyxobacter sp.	Anaeromyxobacter sp. K
735 clique	643348507 Anaeromyxobacter dehalogenans	Anaeromyxobacter dehalogenans 2CP-1
738 clique	641522631 Halobacterium salinarum	Halobacterium salinarum R1, DSM 671
738 clique	638154504 Halobacterium sp.	Halobacterium sp. NRC-1
739 clique	2540341240 Microbacterium sp.	Microbacterium sp. KROCY2
739 clique	2519899570 Kocuria palustris	Kocuria palustris TAGA27
745 clique	650716094 Tepidanaerobacter sp.	Tepidanaerobacter sp. Re1
745 clique	2540341113 Tepidanaerobacter acetatoxydans	Tepidanaerobacter acetatoxydans Re1
751 clique	2537562058 Acinetobacter sp.	Acinetobacter sp. WC-743
751 clique	2547132297 Acinetobacter berezeniae	Acinetobacter berezeniae Brouou 64, LMG 1003
762 clique	646206274 Bacteroides sp.	Bacteroides sp. 4_3_47FAA
762 clique	649989913 Bacteroides sp.	Bacteroides sp. 3_1_40A
762 clique	640753008 Bacteroides vulgatus	Bacteroides vulgatus ATCC 8482
762 clique	647000214 Bacteroides vulgatus	Bacteroides vulgatus PC510
762 clique	2503754051 Bacteroides vulgatus	Bacteroides vulgatus 274-1D4 (mouse strain)
762 clique	2510065017 Bacteroides vulgatus	Bacteroides vulgatus RJ2H1
762 clique	2510065018 Bacteroides vulgatus	Bacteroides vulgatus RJ2L3
762 clique	2537561756 Bacteroides vulgatus	Bacteroides vulgatus CL09T03C04
774 clique	2519899750 Rhodobacter sp.	Rhodobacter sp. AKP1
774 clique	640069327 Rhodobacter sphaeroides	Rhodobacter sphaeroides 2.4.1, ATCC BAA-808
774 clique	640069328 Rhodobacter sphaeroides	Rhodobacter sphaeroides ATCC 17029
774 clique	643348570 Rhodobacter sphaeroides	Rhodobacter sphaeroides KD131
774 clique	651324095 Rhodobacter sphaeroides	Rhodobacter sphaeroides WSNB
774 clique	2512875023 Rhodobacter sphaeroides	Rhodobacter sphaeroides 2.4.1
775 clique	2519103095 Burkholderia sp.	Burkholderia sp. KJ006
775 clique	640069307 Burkholderia vietnamiensis	Burkholderia vietnamiensis G4
782 clique	2528768092 Ralstonia sp.	Ralstonia sp. JGI 0001001-B07 (contamination screened)
782 clique	2528768093 Ralstonia sp.	Ralstonia sp. JGI 0001001-C06 (contamination screened)
782 clique	2528768035 unclassified	beta proteobacterium JGI 0001001-A11 (contamination screened)
782 clique	642555151 Ralstonia pickettii	Ralstonia pickettii 12J
782 clique	2522125080 Ralstonia pickettii	Ralstonia pickettii OR214
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	2518645600 Pseudomonas sp.	Pseudomonas sp. URMO17WK12:11
784 clique	2523533528 Pseudomonas sp.	Pseudomonas sp. URMO17WK12:14
784 clique	2523533568 Pseudomonas sp.	Pseudomonas sp. URMO17WK12:13

784 clique	2505679082	<i>Pseudomonas fulva</i>	<i>Pseudomonas fulva</i> 12-X
786 clique	2531839272	<i>Prevotella sp.</i>	<i>Prevotella sp.</i> MSX73
786 clique	647533195	<i>Prevotella buccae</i>	<i>Prevotella buccae</i> D17
786 clique	64989986	<i>Prevotella buccae</i>	<i>Prevotella buccae</i> ATCC 33574
802 clique	2517093029	<i>Natrinema sp.</i>	<i>Natrinema sp.</i> J7-2
802 clique	2554235484	<i>Natrinema gari</i>	<i>Natrinema gari</i> JCM 14663
804 clique	2511231129	<i>Vibrio sp.</i>	<i>Vibrio sp.</i> EJY3
804 clique	2554235216	<i>Vibrio natriegens</i>	<i>Vibrio natriegens</i> RF-FC 7
811 clique	2554235460	<i>Psychrobacter sp.</i>	<i>Psychrobacter sp.</i> G
811 clique	637000227	<i>Psychrobacter cryohalolentis</i>	<i>Psychrobacter cryohalolentis</i> K5
813 clique	649889910	<i>Bacillus sp.</i>	<i>Bacillus sp.</i> BT1B_CT2
813 clique	639279303	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> DSM 13 Goettingen
813 clique	639279304	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> DSM 13 Novozymes
813 clique	2519899833	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> WX-02
813 clique	2548877019	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> 10-1-A
813 clique	2548877020	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> 5-2-D
813 clique	2551306495	<i>Bacillus licheniformis</i>	<i>Bacillus licheniformis</i> CGMCC 3963
816 clique	2548876977	<i>Rhodococcus sp.</i>	<i>Rhodococcus sp.</i> P14
816 clique	2554235023	<i>Rhodococcus ruber</i>	<i>Rhodococcus ruber</i> Chol-4
819 clique	642791603	<i>Geobacillus sp.</i>	<i>Geobacillus sp.</i> G11MC16
819 clique	640069312	<i>Geobacillus thermodenitrificans</i>	<i>Geobacillus thermodenitrificans</i> NG80-2
819 clique	2554235472	<i>Geobacillus thermodenitrificans</i>	<i>Geobacillus thermodenitrificans</i> DSM 465
821 clique	2513237386	<i>Actinomyces sp.</i>	<i>Actinomyces sp.</i> F0330
821 clique	2541047505	<i>Actinomyces johnsonii</i>	<i>Actinomyces johnsonii</i> F0510
821 clique	2541048002	<i>Actinomyces johnsonii</i>	<i>Actinomyces johnsonii</i> F0542
830 clique	641736270	<i>Clostridium sp.</i>	<i>Clostridium sp.</i> SS2/1
830 clique	649889957	unclassified	Lachnospiraceae bacterium sp. 5_1_63FAA
830 clique	650377990	unclassified	Clostridiales sp. SSC/2
830 clique	2534681714	<i>Anaerostipes hadrus</i>	<i>Anaerostipes hadrus</i> comb. nov. VPI 82-52, DSM 3319
834 clique	646206272	<i>Bacteroides sp.</i>	<i>Bacteroides sp.</i> 1_1_6
834 clique	648861000	<i>Bacteroides sp.</i>	<i>Bacteroides sp.</i> 1_1_14
834 clique	637000026	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> VPI-5482
834 clique	2513020028	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-C523 (Illumina Draft assembly with Velvet)
834 clique	2513020029	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-P32 (Illumina Draft assembly with Velvet)
834 clique	2513020032	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-P699
834 clique	2514885004	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-G288
834 clique	2515154063	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-H207
834 clique	2515154066	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-H463
834 clique	2515154067	<i>Bacteroides thetaiotaomicron</i>	<i>Bacteroides thetaiotaomicron</i> NLAE-zl-H492
843 clique	2551306406	<i>Vibrio sp.</i>	<i>Vibrio sp.</i> 712i1
843 clique	638341222	<i>Vibrio alginolyticus</i>	<i>Vibrio alginolyticus</i> 12G01
843 clique	647000332	<i>Vibrio alginolyticus</i>	<i>Vibrio alginolyticus</i> 40B
844 clique	651324008	<i>Agrobacterium sp.</i>	<i>Agrobacterium sp.</i> ATCC 31749
844 clique	639279301	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i> C58-UWash
844 clique	639279302	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i> C58-UWash
847 clique	649889921	<i>Clostridium sp.</i>	<i>Clostridium sp.</i> HGF2
847 clique	2541047402	<i>Clostridium sp.</i>	<i>Clostridium difficile</i> P28
847 clique	2513237332	unclassified	Erysipelotrichaceae bacterium sp. 21_3
847 clique	2513237345	unclassified	Erysipelotrichaceae sp. 2_2_44A
847 clique	2531839268	unclassified	Erysipelotrichaceae bacterium sp. 6_1_45
847 clique	2534682210	<i>Clostridium innocuum</i>	<i>Clostridium innocuum</i> 2959
858 clique	646206253	<i>Fusobacterium sp.</i>	<i>Fusobacterium sp.</i> 4_1_13
858 clique	647533169	<i>Fusobacterium sp.</i>	<i>Fusobacterium sp.</i> 3_1_27
858 clique	647533171	<i>Fusobacterium sp.</i>	<i>Fusobacterium sp.</i> 3_1_36A2
858 clique	2554235746	<i>Fusobacterium sp.</i>	<i>Fusobacterium sp.</i> 3_1_36A2
858 clique	638341097	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i> vincentii ATCC 49256
858 clique	2519899747	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i> fusiforme ATCC 51190
858 clique	2554235041	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i> vincentii ChDC F8
875 clique	2524614673	<i>Streptomyces sp.</i>	<i>Streptomyces sp.</i> PgraA7
875 clique	645058822	<i>Streptomyces roseosporus</i>	<i>Streptomyces roseosporus</i> NRRL 15998
875 clique	645058827	<i>Streptomyces roseosporus</i>	<i>Streptomyces roseosporus</i> NRRL 11379
885 clique	651324049	unclassified	Lachnospiraceae bacterium 2_1_58FAA
885 clique	640963057	<i>Ruminococcus gnavus</i>	<i>Ruminococcus gnavus</i> ATCC 29149
886 clique	649889909	<i>Bacillus sp.</i>	<i>Bacillus sp.</i> 2_A_57_CT2
886 clique	2551306096	<i>Bacillus oceanisediminis</i>	<i>Bacillus oceanisediminis</i> 2691
896 clique	2524614873	<i>Teredinibacter sp.</i>	<i>Teredinibacter sp.</i> 991H.S.0a.06
896 clique	2513237099	<i>Teredinibacter turnerae</i>	<i>Teredinibacter turnerae</i> T7902
896 clique	2519899663	<i>Teredinibacter turnerae</i>	<i>Teredinibacter turnerae</i> T0609
896 clique	2519899664	<i>Teredinibacter turnerae</i>	<i>Teredinibacter turnerae</i> T8412
896 clique	2523533596	<i>Teredinibacter turnerae</i>	<i>Teredinibacter turnerae</i> T8513
897 clique	647533203	unclassified	Rhodobacterales sp. Y4I
897 clique	2521172619	<i>Phaeobacter daeponensis</i>	<i>Phaeobacter daeponensis</i> TF-218, DSM 23529 (scaffold version)
902 clique	2551306348	<i>Dickeya sp.</i>	<i>Dickeya chrysanthemi</i> NCPPB 516
902 clique	644736355	<i>Dickeya zeae</i>	<i>Dickeya zeae</i> Ech1591
908 clique	2548876840	<i>Anaerococcus sp.</i>	<i>Anaerococcus sp.</i> ph10
908 clique	645058761	<i>Anaerococcus vaginalis</i>	<i>Anaerococcus vaginalis</i> ATCC 51170
912 clique	2551306658	unclassified	Herbaspirillum sp. B39
912 clique	2551306420	<i>Herbaspirillum huttiense</i>	<i>Herbaspirillum huttiense</i> putei IAM 15032
938 clique	2513237367	<i>Clostridium sp.</i>	<i>Clostridium sp.</i> 7_3_54FAA
938 clique	649889922	<i>Clostridium symbiosum</i>	<i>Clostridium symbiosum</i> WAL-14163
938 clique	649889923	<i>Clostridium symbiosum</i>	<i>Clostridium symbiosum</i> WAL-14673
945 clique	2510065064	<i>Pseudoxanthomonas sp.</i>	<i>Pseudoxanthomonas sp.</i> J31
945 clique	2551306371	<i>Pseudoxanthomonas sp.</i>	<i>Pseudoxanthomonas sp.</i> GW2
945 clique	2505679064	<i>Pseudoxanthomonas taiwanensis</i>	<i>Pseudoxanthomonas taiwanensis</i> J19
948 clique	2548877171	<i>Bacteroides sp.</i>	<i>Bacteroides sp.</i> 14(A)

948 clique	643886111	Bacteroides cellulosilyticus	Bacteroides cellulosilyticus DSM 14838
948 clique	2531839301	Bacteroides cellulosilyticus	Bacteroides cellulosilyticus CL02T12C19
955 clique	639633003	Acidovorax sp.	Acidovorax sp. JS42
955 clique	643348541	Acidovorax ebreus	Acidovorax ebreus TPSY
958 clique	2534682224	Lactobacillus sp.	Lactobacillus sp. 66c
958 clique	2537562121	Lactobacillus equicursoris	Lactobacillus equicursoris CIP 110162
960 clique	2541047028	Ralstonia sp.	Ralstonia sp. GA3-3
960 clique	640427136	Ralstonia eutropha	Ralstonia eutropha H16
978 clique	649633068	Methylovorus sp.	Methylovorus sp. MP688
978 clique	644736389	Methylovorus glucosetrophus	Methylovorus glucosetrophus SIP3-4
993 clique	645951850	Fusobacterium sp.	Fusobacterium sp. D12
993 clique	2531839544	Fusobacterium necrophorum	Fusobacterium necrophorum Fnf1007
993 clique	2537561963	Fusobacterium necrophorum	Fusobacterium necrophorum funduliforme ATCC 51357
995 clique	2548876792	Xanthomonas sp.	Xanthomonas sp. NCPPB 1132
995 clique	2548876789	Xanthomonas sacchari	Xanthomonas sacchari NCPPB 4393
1009 clique	2545824673	Enterococcus sp.	Enterococcus flavescens ATCC 49996
1009 clique	647533127	Enterococcus casseliflavus	Enterococcus casseliflavus EC10
1009 clique	647533128	Enterococcus casseliflavus	Enterococcus casseliflavus EC20
1009 clique	647533129	Enterococcus casseliflavus	Enterococcus casseliflavus EC30
1009 clique	2540341159	Enterococcus casseliflavus	Enterococcus casseliflavus EC20
1009 clique	2541047578	Enterococcus casseliflavus	Enterococcus casseliflavus 14-MB-W-14