

Supplementary Table 2: Details of 683 bacteria species									
Sl No	Accession No.	Taxa_Name	(G+C)%		Sl No	Accession No.	Taxa_Name	(G+C)%	
1	NC_000853	Thermotoga maritima MSB8	46.39		342	NC_011025	Mycoplasma arthritis 158L3-1	31.34	
2	NC_000908	Mycoplasma genitalium G37	31.55		343	NC_011026	Chloroherpeton thalassium ATCC 35110	46.14	
3	NC_000911	Synechocystis sp. PCC 6803	48.59		344	NC_011059	Prosthecochloris aestuarii DSM 271	50.84	
4	NC_000912	Mycoplasma pneumoniae M129	40.66		345	NC_011060	Pelodictyon phaeoclathratiforme BU-1	48.92	
5	NC_000918	Aquifex aeolicus VF5	43.63		346	NC_011144	Phenylobacterium zucineum HLK1	71.60	
6	NC_000963	Rickettsia prowazekii str. Madrid E	30.42		347	NC_011146	Geobacter bemidjensis Bem	61.42	
7	NC_001263	Deinococcus radiodurans R1	67.57		348	NC_011184	Vibrio fischeri MJ11	39.50	
8	NC_002162	Ureaplasma parvum serovar 3 str. ATCC 700970	25.71		349	NC_011229	Borrelia duttonii Ly	27.81	
9	NC_002488	Xylella fastidiosa 9a5c	53.79		350	NC_011244	Borrelia recurrentis A1	27.70	
10	NC_002528	Buchnera aphidicola str. APS (Acyrtosiphon pisum)	27.41		351	NC_011295	Coprothermobacter proteolyticus DSM 5265	44.91	
11	NC_002570	Bacillus halodurans C-125	44.32		352	NC_011296	Thermodesulfobivrio yellowstonii DSM 11347	34.16	
12	NC_002620	Chlamydia muridarum Nigg	40.69		353	NC_011297	Dictyoglomus thermophilum H-6-12	33.81	
13	NC_002663	Pasteurella multocida subsp. multocida str. Pm70	41.04		354	NC_011312	Aliivibrio salmonicida LF11238	39.69	
14	NC_002678	Mesorhizobium loti MAFF303099	63.47		355	NC_011386	Oligotropha carboxidovorans OM5	63.05	
15	NC_002755	Mycobacterium tuberculosis CDC1551	65.77		356	NC_011420	Rhodospirillum centenum SW	70.68	
16	NC_002771	Mycoplasma pulmonis UAB CTIP	27.29		357	NC_011565	Candidatus Azobacteroides pseudotrichonymphae genomovar. CFP2	33.80	
17	NC_002927	Bordetella bronchiseptica RB50	68.49		358	NC_011566	Shewanella piezotolerans WP3	44.17	
18	NC_002928	Bordetella parapertussis 12822	68.43		359	NC_011567	Anoxybacillus flavithermus WK1	42.02	
19	NC_002929	Bordetella pertussis Tohama I	68.13		360	NC_011586	Acinetobacter baumannii AB0057	40.28	
20	NC_002932	Chlorobium tepidum TLS	57.66		361	NC_011593	Bifidobacterium longum subsp. infantis ATCC 15697 = JCM 1222	60.70	
21	NC_002935	Corynebacterium diphtheriae NCTC 13129	54.08		362	NC_011653	Thermosipho africanus TCF52B	30.73	
22	NC_002936	Dehalococcoides ethenogenes 195	49.62		363	NC_011661	Dictyoglomus turgidum DSM 6724	33.99	
23	NC_002937	Desulfovibrio vulgaris str. Hildenborough	63.41		364	NC_011662	Thauera sp. MZ1T	68.77	
24	NC_002939	Geobacter sulfurreducens PCA	61.58		365	NC_011666	Methylocella silvestris BL2	63.72	
25	NC_002940	Haemophilus ducreyi 35000HP	38.74		366	NC_011728	Borrelia burgdorferi ZS7	28.87	
26	NC_002967	Treponema denticola ATCC 35405	38.27		367	NC_011740	Escherichia fergusonii ATCC 35469	50.89	
27	NC_002976	Staphylococcus epidermidis RP62A	32.94		368	NC_011753	Vibrio splendidus LGP32	44.96	
28	NC_002977	Methylococcus capsulatus str. Bath	63.96		369	NC_011761	Acidithiobacillus ferrooxidans ATCC 23270	59.32	
29	NC_003047	Sinorhizobium meliloti 1021	63.49		370	NC_011768	Desulfatibacillum alkenivorans AK-01	55.52	
30	NC_003103	Rickettsia conorii str. Malish 7	32.85		371	NC_011852	Haemophilus parasuis SH0165	40.78	
31	NC_003155	Streptomyces avermitilis MA-4680	71.14		372	NC_011886	Arthrobacter chlorophenolicus A6	66.78	
32	NC_003212	Listeria innocua Clip11262	37.83		373	NC_011891	Anaeromyxobacter dehalogenans ZCP-1	74.68	
33	NC_003272	Nostoc sp. PCC 7120	42.44		374	NC_011894	Methylobacterium nodulans ORS 2060	69.61	
34	NC_003295	Ralstonia solanacearum GMI1000	67.62		375	NC_011898	Clostridium cellulolyticum H10	38.16	
35	NC_003361	Chlamydomonas reinhardtii GPC	39.82		376	NC_011899	Halothermothrix orenii H 168	38.89	
36	NC_003869	Thermoanaerobacter tengcongensis MB4	37.80		377	NC_011901	Thioalkalivibrio sulfidophilus HL-EbGr7	66.15	
37	NC_003888	Streptomyces coelicolor A3(2)	72.45		378	NC_011978	Thermotoga neapolitana DSM 4359	47.08	
38	NC_003909	Bacillus cereus ATCC 10987	36.08		379	NC_011979	Geobacter daltonii FRC-32	54.29	
39	NC_003910	Colwellia psychrerythraea 34H	38.82		380	NC_011989	Agrobacterium vitis S4	58.74	
40	NC_003911	Ruegeria pomeroyi DSS-3	64.77		381	NC_011992	Acidovorax ebreus TPSY	67.46	
41	NC_003912	Campylobacter jejuni RM1221	30.59		382	NC_012004	Streptococcus uberis 0140J	37.06	
42	NC_003919	Xanthomonas axonopodis pv. citri str. 306	65.12		383	NC_012034	Caldicellulosiruptor bescii DSM 6725	35.58	
43	NC_004113	Thermosynechococcus elongatus BP-1	54.54		384	NC_012039	Campylobacter lari RM2100	29.93	
44	NC_004116	Streptococcus agalactiae 2603V/R	36.06		385	NC_012108	Desulfobacterium autotrophicum HRM2	49.71	
45	NC_004129	Pseudomonas protegens Pf-5	64.10		386	NC_012115	Nautilia profundicola AmH	33.57	
46	NC_004193	Oceanobacillus iheyensis HTE831	36.08		387	NC_012121	Staphylococcus carnosus subsp. carnosus TM300	35.26	
47	NC_004310	Brucella suis 1330	58.21		388	NC_012416	Wolbachia sp. wRi	35.40	
48	NC_004344	Wigglesworthia glossinidia endosymbiont of Glossina brevipalpis	23.65		389	NC_012438	Sulfurihydrogenibium azorense Az-Fu1	32.77	
49	NC_004347	Shewanella oneidensis MR-1	46.99		390	NC_012440	Persephonella marina EX-H1	37.38	
50	NC_004350	Streptococcus mutans UA159	37.47		391	NC_012441	Brucella melitensis ATCC 23457	58.26	
51	NC_004369	Corynebacterium efficiens YS-314	63.79		392	NC_012471	Streptococcus equi subsp. equi 4047	42.00	
52	NC_004463	Bradyrhizobium diazoefficiens USDA 110	64.66		393	NC_012483	Acidobacterium capsulatum ATCC 51196	61.10	
53	NC_004547	Pectobacterium atrosepticum SCRI1043	52.19		394	NC_012489	Gemmatimonas aurantiaca T-27	64.49	
54	NC_004552	Chlamydomonas reinhardtii GPC	40.49		395	NC_012490	Rhodococcus erythropolis PR4	62.79	
55	NC_004567	Lactobacillus plantarum WCFS1	45.53		396	NC_012491	Brevibacillus brevis NBRC 100599	47.88	
56	NC_004572	Tropheryma whippelii str. Twist	46.46		397	NC_012522	Rhodococcus opacus B4	68.40	
57	NC_004578	Pseudomonas syringae pv. tomato str. DC3000	59.31		398	NC_012526	Deinococcus deserti VCD115	64.12	
58	NC_004603	Vibrio parahaemolyticus RIMD 2210633	46.21		399	NC_012560	Azotobacter vinelandii DJ	66.48	
59	NC_004663	Bacteroides thetaiotaomicron VPL-5482	43.88		400	NC_012563	Clostridium botulinum A2 str. Kyoto	29.13	
60	NC_004757	Nitrosomonas europaea ATCC 19718	51.57		401	NC_012581	Bacillus anthracis str. CDC 684	36.02	
61	NC_004829	Mycoplasma gallisepticum str. R(low)	32.02		402	NC_012587	Sinorhizobium fredii NGR234	63.72	
62	NC_004842	Anaplasma marginale str. St. Maries	49.80		403	NC_012590	Corynebacterium aurumucosum ATCC 700975	61.43	
63	NC_004917	Helicobacter hepaticus ATCC 51449	36.33		404	NC_012633	Rickettsia africae ESF-5	32.92	
64	NC_005027	Rhodopirellula baltica SH 1	55.46		405	NC_012660	Pseudomonas fluorescens SBW25	61.35	
65	NC_005043	Chlamydomonas reinhardtii GPC	40.49		406	NC_012669	Beutenbergia cavernae DSM 12333	73.18	
66	NC_005085	Chromobacterium violaceum ATCC 12472	65.71		407	NC_012673	Exiguobacterium sp. AT1b	49.10	
67	NC_005125	Gloeobacter violaceus PCC 7421	62.86		408	NC_012691	Tolomonas auensis DSM 9187	49.80	
68	NC_005126	Photorhabdus luminescens subsp. laumondii TTO1	44.16		409	NC_012704	Corynebacterium kroppenstedtii DSM 44385	58.09	
69	NC_005139	Vibrio vulnificus YJ016	47.16		410	NC_012724	Burkholderia glumae BGR1	68.81	
70	NC_005362	Lactobacillus johnsonii NCC 533	34.96		411	NC_012730	Rickettsia peacockii str. Rustic	33.16	
71	NC_005364	Mycoplasma mycoides subsp. mycoides SC str. PG1	24.09		412	NC_012785	Kosmotoga olearia TBF 19.5.1	41.55	
72	NC_005823	Leptospira interrogans serovar Copenhageni str. Fiocruz L1-130	36.68		413	NC_012796	Desulfovibrio magneticus RS-1	63.47	
73	NC_005835	Thermus thermophilus HB27	69.60		414	NC_012814	Bifidobacterium animalis subsp. lactis BI-04	61.40	
74	NC_005861	Candidatus Protochlamydia amoebophila UWE25	36.10		415	NC_012846	Bartonella grahamii as4aup	40.02	
75	NC_005955	Bartonella quintana str. Toulouse	40.40		416	NC_012881	Desulfovibrio salexigens DSM 2638	48.02	
76	NC_005956	Bartonella henselae str. Houston-1	40.03		417	NC_012891	Streptococcus dysgalactiae subsp. equisimilis GGS_124	40.18	
77	NC_005957	Bacillus thuringiensis serovar konkukian str. 97-27	36.00		418	NC_012912	Dickeya zeae Ech1591	55.80	
78	NC_005966	Acinetobacter sp. ADP1	41.50		419	NC_012917	Pectobacterium carotovorum subsp. carotovorum PC1	53.20	
79	NC_006055	Mesoplasma florum L1	27.05		420	NC_012918	Geobacter sp. M21	61.70	
80	NC_006087	Leifsonia xyli subsp. xyli str. CTCB07	68.39		421	NC_012968	Methylothermobacter mobilis JLW8	46.44	
81	NC_006142	Rickettsia typhi str. Wilmington	30.37		422	NC_012969	Methylovorus glucosetrophus SIP3-4	55.64	
82	NC_006156	Borrelia garinii PBi	28.53		423	NC_012982	Hirschia baltica ATCC 49814	45.86	
83	NC_006177	Symbiobacterium thermophilum IAM 14863	69.29		424	NC_012997	Teredinibacter turnerae T7901	51.70	
84	NC_006270	Bacillus licheniformis DSM 13 = ATCC 14580	47.18		425	NC_013037	Dyadobacter fermentans DSM 18053	52.58	
85	NC_006300	Mannheimia succiniciproducens MBEL55E	43.41		426	NC_013061	Pedobacter heparinus DSM 2366	42.77	
86	NC_006360	Mycoplasma hyopneumoniae 232	29.39		427	NC_013093	Actinosynnema mirum DSM 43827	74.02	
87	NC_006361	Nocardia farcinica IFM 10152	71.16		428	NC_013119	Brucella microti CCM 4915	58.24	
88	NC_006370	Photobacterium profundum SS9	42.83		429	NC_013124	Acidimicrobium ferrooxidans DSM 10331	68.37	
89	NC_006449	Streptococcus thermophilus CNRZ1066	39.90		430	NC_013131	Catenulispora acidiphila DSM 44928	70.24	
90	NC_006510	Geobacillus kaustophilus HTA426	52.94		431	NC_013132	Chitinophaga pinensis DSM 2588	46.21	

Sl No	Accession No.	Taxa_Name	(G+C)%
91	NC_006512	Idiomarina loihiensis L2TR	47.49
92	NC_006513	Aromatoleum aromaticum EbN1	65.48
93	NC_006582	Bacillus clausii KSM-K16	45.33
94	NC_006677	Gluconobacter oxydans 621H	61.71
95	NC_006832	Ehrlichia ruminantium str. Welgevonden	30.58
96	NC_006908	Mycoplasma mobile 163K	25.35
97	NC_006932	Brucella abortus bv. 1 str. 9-941	58.25
98	NC_006958	Corynebacterium glutamicum ATCC 13032	54.78
99	NC_007109	Rickettsia felis URRWXCal2	32.64
100	NC_007146	Haemophilus influenzae 86-028NP	38.79
101	NC_007164	Corynebacterium jeikeium K411	62.25
102	NC_007168	Staphylococcus haemolyticus JCSC1435	33.42
103	NC_007204	Psychrobacter arcticus 273-4	44.59
104	NC_007292	Candidatus Blochmannia pennsylvanicus str. BPEN	32.06
105	NC_007294	Mycoplasma synoviae 53	28.77
106	NC_007298	Dechloromonas aromatica RCB	59.87
107	NC_007350	Staphylococcus saprophyticus subsp. saprophyticus ATCC 15305	34.02
108	NC_007354	Ehrlichia canis str. Jake	30.99
109	NC_007356	Dehalococcoides sp. CBDB1	47.85
110	NC_007384	Shigella sonnei Ss046	52.34
111	NC_007406	Nitrobacter winogradskyi Nb-255	63.02
112	NC_007413	Anabaena variabilis ATCC 29413	42.55
113	NC_007481	Pseudoalteromonas haloplanktis TAC125	41.00
114	NC_007498	Pelobacter carbinolicus DSM 2380	56.01
115	NC_007503	Carboxydotherrnus hydrogenoformans Z-2901	42.40
116	NC_007508	Xanthomonas campestris pv. vesicatoria str. 85-10	65.09
117	NC_007510	Burkholderia lata	66.90
118	NC_007514	Chlorobium chlorochromatii CaD3	45.06
119	NC_007517	Geobacter metallireducens GS-15	60.35
120	NC_007519	Desulfovibrio alaskensis G20	58.24
121	NC_007520	Thiomicrospira crunogena XCL-2	43.97
122	NC_007575	Sulfurimonas denitrificans DSM 1251	34.78
123	NC_007576	Lactobacillus sakei subsp. sakei 23K	41.91
124	NC_007604	Synechococcus elongatus PCC 7942	56.05
125	NC_007606	Shigella dysenteriae Sd197	52.36
126	NC_007614	Nitrospira multiformis ATCC 25196	54.85
127	NC_007626	Magnetospirillum magneticum AMB-1	66.13
128	NC_007633	Mycoplasma capricolum subsp. capricolum ATCC 27343	24.00
129	NC_007643	Rhodospirillum rubrum ATCC 11170	66.10
130	NC_007645	Hahella chejuensis KCTC 2396	54.78
131	NC_007651	Burkholderia thailandensis E264	68.08
132	NC_007712	Sodalis glossinidius str. 'morsitans'	56.19
133	NC_007722	Erythrobacter litoralis HTCC2594	63.43
134	NC_007794	Novosphingobium aromaticivorans DSM 12444	65.55
135	NC_007797	Anaplasma phagocytophilum str. HZ	42.56
136	NC_007798	Neorickettsia sennetsu str. Miyayama	41.41
137	NC_007799	Ehrlichia chaffeensis str. Arkansas	31.42
138	NC_007802	Jannaschia sp. CCS1	62.69
139	NC_007880	Francisella tularensis subsp. holarctica LVS	32.87
140	NC_007899	Chlamydophila felis Fe/C-56	39.95
141	NC_007907	Desulfitobacterium hafniense Y51	48.48
142	NC_007908	Rhodoferax ferrireducens T118	60.62
143	NC_007929	Lactobacillus salivarius UCC118	33.16
144	NC_007948	Polaromonas sp. JS666	63.16
145	NC_007951	Burkholderia xenovorans LB400	63.24
146	NC_007954	Shewanella denitrificans OS217	46.12
147	NC_007964	Nitrobacter hamburgensis X14	62.65
148	NC_007969	Psychrobacter cryohalolentis K5	44.03
149	NC_007973	Cupriavidus metallidurans CH34	64.35
150	NC_007984	Baumannia cicadellinicola str. Hc (Homalodisca coagulata)	34.32
151	NC_008025	Deinococcus geothermalis DSM 11300	67.00
152	NC_008027	Pseudomonas entomophila L48	64.93
153	NC_008044	Ruegeria sp. TM1040	60.80
154	NC_008048	Sphingopyxis alaskensis RB2256	65.87
155	NC_008095	Myxococcus xanthus DK 1622	69.13
156	NC_008150	Yersinia pestis Antiqua	48.94
157	NC_008209	Roseobacter denitrificans OCh 114	59.48
158	NC_008228	Pseudoalteromonas atlantica T6c	45.42
159	NC_008229	Helicobacter acinonychis str. Sheeba	38.79
160	NC_008254	Chelatorans sp. BNC1	61.56
161	NC_008255	Cytophaga hutchinsonii ATCC 33406	39.61
162	NC_008260	Alcanivorax borkumensis SK2	55.24
163	NC_008261	Clostridium perfringens ATCC 13124	29.41
164	NC_008268	Rhodococcus jostii RHA1	67.92
165	NC_008277	Borrelia afzelii PKo	28.48
166	NC_008278	Frankia alni ACN14a	73.03
167	NC_008313	Ralstonia eutropha H16	67.06
168	NC_008319	Synechococcus sp. CC9311	53.44
169	NC_008343	Granulibacter thesedensis CGDNIH1	59.62
170	NC_008345	Shewanella frigidimarina NCIMB 400	42.49
171	NC_008346	Syntrophomonas wolfei subsp. wolfei str. Goettingen	45.68
172	NC_008358	Hyphomonas neptunium ATCC 15444	62.34
173	NC_008497	Lactobacillus brevis ATCC 367	47.11
174	NC_008508	Leptospira borgpetersenii serovar Hardjo-bovis str. L550	41.26
175	NC_008530	Lactobacillus gasseri ATCC 33323	35.54
176	NC_008531	Leuconostoc mesenteroides subsp. mesenteroides ATCC 8293	38.31
177	NC_008541	Arthrobacter sp. FB24	65.96
178	NC_008554	Syntrophobacter fumaroxidans MPOB	60.20
179	NC_008555	Listeria welshimeri serovar 6b str. SLCC5334	36.75
180	NC_008570	Aeromonas hydrophila subsp. hydrophila ATCC 7966	62.81
181	NC_008571	Gramella forsetii KT0803	37.27

Sl No	Accession No.	Taxa_Name	(G+C)%
432	NC_013162	Capnocytophaga ochracea DSM 7271	40.57
433	NC_013166	Kangiella koreensis DSM 16069	44.29
434	NC_013171	Anaerococcus prevotii DSM 20548	36.53
435	NC_013173	Desulfomicrobium baculatum DSM 4028	59.60
436	NC_013174	Jonesia denitrificans DSM 20603	58.53
437	NC_013192	Leptotrichia buccalis C-1013-b	30.79
438	NC_013194	Candidatus Accumulibacter phosphatis clade IIA str. UW-1	64.32
439	NC_013198	Lactobacillus rhamnosus GG	47.45
440	NC_013203	Atopobium parvulum DSM 20469	46.31
441	NC_013204	Eggerthella lenta DSM 2243	64.85
442	NC_013205	Alicyclobacillus acidocaldarius subsp. acidocaldarius DSM 446	62.93
443	NC_013209	Acetobacter pasteurianus IFO 3283-01	53.77
444	NC_013216	Desulfotomaculum acetoxidans DSM 771	42.75
445	NC_013222	Robiginitalea biformata HTCC2501	56.07
446	NC_013223	Desulfohalobium retbaense DSM 5692	58.06
447	NC_013235	Nakamurella multipartita DSM 44233	71.22
448	NC_013282	Cronobacter turicensis z3032	58.48
449	NC_013355	Zymomonas mobilis subsp. mobilis NCIMB 11163	48.21
450	NC_013385	Ammonifex degensii KC4	59.93
451	NC_013410	Fibrobacter succinogenes subsp. succinogenes S85	48.89
452	NC_013411	Geobacillus sp. Y412MC61	53.37
453	NC_013421	Pectobacterium wasabiae WPPI63	51.78
454	NC_013422	Halothiobacillus neapolitanus c2	55.49
455	NC_013440	Haliangium ochraceum DSM 14365	69.92
456	NC_013441	Gordonia bronchialis DSM 43247	67.42
457	NC_013454	Blattabacterium sp. (Blattella germanica) str. Bge	27.25
458	NC_013501	Rhodothermus marinus DSM 4252	65.24
459	NC_013510	Thermomonospora curvata DSM 43183	72.22
460	NC_013511	Mycoplasma hominis ATCC 23114	27.38
461	NC_013512	Sulfurospirillum deleyianum DSM 6946	39.35
462	NC_013515	Streptobacillus moniliformis DSM 12112	26.20
463	NC_013517	Sebaldella termitidis ATCC 33386	34.69
464	NC_013520	Veillonella parvula DSM 2008	39.67
465	NC_013522	Thermanaerovibrio acidaminovorans DSM 6589	64.45
466	NC_013530	Xylanimonas cellulosilytica DSM 15894	72.74
467	NC_013532	Anaplasma centrale str. Israel	50.03
468	NC_013642	Thermotoga naphthophila RKU-10	46.34
469	NC_013656	Lactococcus lactis subsp. lactis KF147	35.80
470	NC_013714	Bifidobacterium dentium Bd1	59.32
471	NC_013716	Citrobacter rodentium ICC168	55.92
472	NC_013720	Pirellula staleyi DSM 6068	57.91
473	NC_013722	Xanthomonas albilineans GPE PC73	63.47
474	NC_013729	Kribbella flavida DSM 17836	70.85
475	NC_013730	Spirosoma linguale DSM 74	51.32
476	NC_013739	Conexibacter woesei DSM 14684	72.93
477	NC_013740	Acidaminococcus fermentans DSM 20731	57.15
478	NC_013757	Geodermatophilus obscurus DSM 43160	74.13
479	NC_013766	Listeria monocytogenes 08-5578	38.43
480	NC_013791	Bacillus pseudofirmus OF4	40.71
481	NC_013799	Hydrogenobacter thermophilus TK-6	44.13
482	NC_013851	Allochromatium vinosum DSM 180	64.94
483	NC_013853	Streptococcus mitis B6	40.74
484	NC_013889	Thioalkalivibrio sp. K90mix	66.29
485	NC_013892	Xenorhabdus bovienii SS-2004	46.32
486	NC_013894	Thermocrinis albus DSM 14484	47.01
487	NC_013921	Thermoanaerobacter italicus Ab9	34.27
488	NC_013929	Streptomyces scabiei 87.22	71.76
489	NC_013939	Deferribacter desulfuricans SSM1	31.08
490	NC_013943	Denitrovibrio acetiphilus DSM 12809	43.20
491	NC_013946	Meiothermus ruber DSM 1279	64.12
492	NC_013947	Stackebrandtia nassauensis DSM 44728	68.66
493	NC_013948	Mycoplasma agalactiae	30.09
494	NC_013949	Helicobacter mustelae 12198	42.89
495	NC_013956	Pantoea ananatis LMG 20103	54.64
496	NC_013959	Sideroxydans lithotrophicus ES-1	58.19
497	NC_013960	Nitrosococcus halophilus Nc 4	52.52
498	NC_013961	Erwinia amylovora CFBP1430	54.68
499	NC_014006	Sphingobium japonicum UT26S	65.35
500	NC_014008	Coralimargarita akajimensis DSM 45221	53.93
501	NC_014011	Aminobacterium colombiense DSM 12261	45.75
502	NC_014012	Shewanella violacea DSS12	45.93
503	NC_014019	Bacillus megaterium QM B1551	39.17
504	NC_014032	Salinibacter ruber M8	66.73
505	NC_014033	Prevotella ruminicola 23	48.93
506	NC_014034	Rhodobacter capsulatus SB 1003	66.88
507	NC_014039	Propionibacterium acnes SK137	60.42
508	NC_014098	Kyrpidia tusciae DSM 2912	59.56
509	NC_014106	Lactobacillus crispatus ST1	37.57
510	NC_014109	Candidatus Riesia pediculicola USDA	29.50
511	NC_014147	Moraxella catarrhalis RH4	42.94
512	NC_014150	Brachyspira murdochii DSM 12563	29.00
513	NC_014151	Cellulomonas flavigena DSM 20109	74.31
514	NC_014152	Thermincola potens JR	46.64
515	NC_014153	Thiomonas intermedia K12	64.47
516	NC_014158	Tsukamurella paurometabola DSM 20162	68.79
517	NC_014165	Thermobispora bispora DSM 43833	72.48
518	NC_014166	Arcobacter nitrofigilis DSM 7299	28.62
519	NC_014168	Segniliparus rotundus DSM 44985	67.22
520	NC_014207	Methyлотenera versatilis 301	43.53
521	NC_014212	Meiothermus silvanus DSM 9946	63.01
522	NC_014215	Propionibacterium freudenreichii subsp. shermanii CIRM-BIA1	67.42

Sl No	Accession No.	Taxa_Name	(G+C)%
182	NC_008577	Shewanella sp. ANA-3	49.11
183	NC_008593	Clostridium novyi NT	29.13
184	NC_008595	Mycobacterium avium 104	69.37
185	NC_008596	Mycobacterium smegmatis str. MC2 155	67.84
186	NC_008599	Campylobacter fetus subsp. fetus 82-40	33.92
187	NC_008601	Francisella novicida U112	33.12
188	NC_008609	Pelobacter propionicus DSM 2379	59.81
189	NC_008610	Candidatus Ruthia magnifica str. Cm (Calyptogena magnifica)	35.36
190	NC_008611	Mycobacterium ulcerans Agy99	65.74
191	NC_008618	Bifidobacterium adolescentis ATCC 15703	60.09
192	NC_008639	Chlorobium phaeobacteroides DSM 266	49.20
193	NC_008700	Shewanella amazonensis SB2B	54.45
194	NC_008702	Azoarcus sp. BH72	68.22
195	NC_008709	Psychromonas ingrahamii 37	41.34
196	NC_008710	Borrelia turicatae 91E135	29.38
197	NC_008711	Arthrobacter aurescens TC1	62.76
198	NC_008726	Mycobacterium vanbaalenii PYR-1	68.18
199	NC_008740	Marinobacter aquaeolei VT8	57.88
200	NC_008752	Acidovorax citrulli AAC00-1	69.02
201	NC_008769	Mycobacterium bovis BCG str. Pasteur 1173P2	65.91
202	NC_008781	Polaromonas naphthalenivorans CJ2	63.50
203	NC_008782	Acidovorax sp. JS42	66.82
204	NC_008783	Bartonella bacilliformis KC583	39.48
205	NC_008785	Burkholderia mallei SAVP1	68.42
206	NC_008786	Verminephrobacter eiseniae EF01-2	65.60
207	NC_008789	Halorhodospira halophila SL1	68.27
208	NC_008800	Yersinia enterocolitica subsp. enterocolitica 8081	48.38
209	NC_008820	Prochlorococcus marinus str. MIT 9303	51.25
210	NC_009009	Streptococcus sanguinis SK36	44.48
211	NC_009076	Burkholderia pseudomallei 1106a	68.30
212	NC_009077	Mycobacterium sp. JLS	68.71
213	NC_009089	Clostridium difficile 630	30.07
214	NC_009092	Shewanella loihica PV-4	55.28
215	NC_009138	Hermiiniimonas arsenicoxydans	55.24
216	NC_009142	Saccharopolyspora erythraea NRRL 2338	71.65
217	NC_009253	Desulfotomaculum reducens MI-1	43.25
218	NC_009337	Chlorobium phaeovibrioides DSM 265	53.64
219	NC_009338	Mycobacterium gilvum PYR-GCK	68.27
220	NC_009348	Aeromonas salmonicida subsp. salmonicida A449	59.78
221	NC_009379	Polynucleobacter necessarius subsp. asymbioticus QLW-PIDMWA-1	45.26
222	NC_009380	Salinispora tropica CNB-440	69.80
223	NC_009436	Enterobacter sp. 638	54.10
224	NC_009437	Caldicellulosiruptor saccharolyticus DSM 8903	35.63
225	NC_009438	Shewanella putrefaciens CN-32	45.30
226	NC_009441	Flavobacterium johnsoniae UW101	34.94
227	NC_009442	Streptococcus suis 05ZYH33	41.85
228	NC_009446	Dichelobacter nodosus VCS1703A	45.01
229	NC_009465	Candidatus Vesicomysocius okutanii HA	32.85
230	NC_009480	Clavibacter michiganensis subsp. michiganensis NCPPB 382	72.84
231	NC_009484	Acidiphilium cryptum JF-5	68.53
232	NC_009485	Bradyrhizobium sp. BTAi1	65.50
233	NC_009486	Thermotoga petrophila RKU-1	46.26
234	NC_009494	Legionella pneumophila str. Corby	39.09
235	NC_009505	Brucella ovis ATCC 25840	58.27
236	NC_009523	Roseiflexus sp. RS-1	60.93
237	NC_009524	Psychrobacter sp. PRwf-1	46.41
238	NC_009613	Flavobacterium psychrophilum JIP02/86	33.24
239	NC_009614	Bacteroides vulgatus ATCC 8482	43.18
240	NC_009615	Parabacteroides distasonis ATCC 8503	46.01
241	NC_009616	Thermosipho melanesiensis BI429	31.23
242	NC_009617	Clostridium beijerinckii NCIMB 8052	30.91
243	NC_009633	Alkaliphilus metalliredigens QYMF	37.43
244	NC_009636	Sinorhizobium medicae WSM419	62.14
245	NC_009654	Marinomonas sp. MWYL1	43.32
246	NC_009655	Actinobacillus succinogenes 130Z	45.93
247	NC_009656	Pseudomonas aeruginosa PA7	67.11
248	NC_009659	Janthinobacterium sp. Marseille	55.15
249	NC_009662	Nitratiruptor sp. SB155-2	39.81
250	NC_009663	Sulfurovum sp. NBC37-1	44.72
251	NC_009664	Kineococcus radiotolerans SRS30216	74.50
252	NC_009667	Ochrobactrum anthropi ATCC 49188	57.07
253	NC_009674	Bacillus cytotoxicus NVH 391-98	36.39
254	NC_009675	Anaeromyxobacter sp. Fw109-5	73.54
255	NC_009706	Clostridium kluveri DSM 555	32.78
256	NC_009714	Campylobacter hominis ATCC BAA-381	32.97
257	NC_009718	Fervidobacterium nodosum Rt17-B1	35.23
258	NC_009719	Parvivaculum lavamentivorans DS-1	62.74
259	NC_009720	Xanthobacter autotrophicus Py2	67.91
260	NC_009727	Coxiella burnetii Dugway 5J108-111	42.83
261	NC_009767	Roseiflexus castenholzii DSM 13941	60.94
262	NC_009783	Vibrio campbellii ATCC BAA-1116	46.33
263	NC_009785	Streptococcus gordonii str. Challis substr. CH1	41.40
264	NC_009802	Campylobacter concisus 13826	40.20
265	NC_009828	Thermotoga lettingae TMO	38.71
266	NC_009831	Shewanella sediminis HAW-EB3	47.31
267	NC_009850	Arcobacter butzleri RM4018	27.19
268	NC_009879	Rickettsia canadensis str. McKiel	31.85
269	NC_009881	Rickettsia akari str. Hartford	32.79
270	NC_009900	Rickettsia massiliae MTU5	32.98
271	NC_009901	Shewanella pealeana ATCC 700345	45.72

Sl No	Accession No.	Taxa_Name	(G+C)%
523	NC_014216	Desulfurivibrio alkaliphilus AHT2	61.16
524	NC_014218	Arcanobacterium haemolyticum DSM 20595	53.68
525	NC_014219	Bacillus selenitireducens MLS10	49.43
526	NC_014220	Syntrophothermus lipocalidus DSM 12680	51.58
527	NC_014221	Truepera radiovictrix DSM 17093	68.71
528	NC_014225	Waddlia chondrophila WSU 86-1044	44.31
529	NC_014228	Xenorhabdus nematophila ATCC 19061	45.36
530	NC_014230	Croceibacter atlanticus HTCC2559	34.33
531	NC_014246	Mobiluncus curtisii ATCC 43063	55.89
532	NC_014248	'Nostoc azollae' 0708	40.40
533	NC_014259	Acinetobacter oleivorans DR1	39.77
534	NC_014306	Erwinia billingiae Eb661	56.32
535	NC_014313	Hyphomicrobium denitrificans ATCC 51888	61.35
536	NC_014315	Nitrosococcus watsonii C-113	51.04
537	NC_014318	Amycolatopsis mediterranei U32	71.81
538	NC_014319	Leuconostoc gasicomitatum LMG 18811	37.29
539	NC_014323	Herbaspirillum seropedicae SmR1	64.26
540	NC_014328	Clostridium ljungdahlii DSM 13528	31.78
541	NC_014329	Corynebacterium pseudotuberculosis FRC41	52.89
542	NC_014364	Spirochaeta smaragdinae DSM 11293	49.48
543	NC_014365	Desulfarculus baarsii DSM 2075	66.22
544	NC_014366	gamma proteobacterium HdN1	53.69
545	NC_014376	Clostridium saccharolyticum WM1	45.86
546	NC_014387	Butyrivibrio proteoclasticus B316	40.78
547	NC_014392	Caldicellulosiruptor obsidiansis OB47	35.68
548	NC_014393	Clostridium cellulovorans 743B	32.04
549	NC_014394	Gallionella capsiferiformans ES-2	53.49
550	NC_014410	Thermoanaerobacterium thermosaccharolyticum DSM 571	34.58
551	NC_014500	Dickeya dadantii 3937	57.60
552	NC_014501	Cyanothece sp. PCC 7822	41.08
553	NC_014532	Halomonas elongata DSM 2581	64.75
554	NC_014551	Bacillus amyloliquefaciens DSM 7	46.98
555	NC_014562	Pantoea vagans C9-1	56.72
556	NC_014614	[Clostridium] sticklandii	33.82
557	NC_014616	Bifidobacterium bifidum S17	63.68
558	NC_014639	Bacillus atrophaeus 1942	44.12
559	NC_014640	Achromobacter xylosoxidans A8	66.57
560	NC_014652	Caldicellulosiruptor hydrothermalis 108	36.52
561	NC_014654	Halanaerobium hydrogeniformans	33.74
562	NC_014657	Caldicellulosiruptor owensensis OL	35.83
563	NC_014659	Rhodococcus equi 103S	69.27
564	NC_014720	Caldicellulosiruptor kronotskyensis 2002	35.54
565	NC_014721	Caldicellulosiruptor kristjanssonii 177R1B	36.57
566	NC_014724	Lactobacillus amylovorus GRL 1112	38.93
567	NC_014733	Methylovorus sp. MP688	56.29
568	NC_014751	Mycoplasma leachii PG50	23.96
569	NC_014752	Neisseria lactamica 020-06	53.58
570	NC_014803	Pseudoalteromonas sp. SM9913	41.00
571	NC_014810	Helicobacter felis ATCC 49179	44.89
572	NC_014914	Taylorella equigenitalis MCE9	37.78
573	NC_014921	Mycoplasma fermentans M64	27.21
574	NC_014923	Mesorhizobium ciceri biovar biserrulae WSM1271	63.37
575	NC_014924	Pseudoxanthomonas suwonensis 11-1	70.46
576	NC_014926	Thermovibrio ammonificans HB-1	52.24
577	NC_014931	Variovorax paradoxus EPS	67.05
578	NC_014932	Bartonella clarridgeiae 73	37.38
579	NC_014958	Deinococcus maricopensis DSM 21211	70.23
580	NC_014960	Anaerolinea thermophila UNI-1	54.37
581	NC_014974	Thermus scotoductus SA-01	65.12
582	NC_015061	Rahnella sp. Y9602	53.52
583	NC_015125	Microbacterium testaceum StLB037	70.39
584	NC_015144	Weeksella virosa DSM 16922	36.68
585	NC_015152	Sphaerochaeta globosa str. Buddy	49.41
586	NC_015160	Odoribacter splanchnicus DSM 220712	44.35
587	NC_015161	Deinococcus proteolyticus MRP	66.90
588	NC_015164	Bacteroides salanitronis DSM 18170	47.83
589	NC_015167	Cellulophaga lytica DSM 7489	32.65
590	NC_015186	Acidiphilium multivorum AIU301	68.22
591	NC_015214	Lactobacillus acidophilus 30SC	38.88
592	NC_015215	Streptococcus gallolyticus subsp. gallolyticus ATCC BAA-2069	38.19
593	NC_015276	Marinomonas mediterranea MMB-1	44.87
594	NC_015277	Sphingobacterium sp. 21	41.87
595	NC_015291	Streptococcus oralis Uo5	41.89
596	NC_015311	Prevotella denticola F0289	51.79
597	NC_015312	Pseudonocardia dioxanivorans CB1190	73.41
598	NC_015318	Hippea maritima DSM 10411	37.48
599	NC_015385	Treponema succinifaciens DSM 2489	39.55
600	NC_015387	Marinithermus hydrothermalis DSM 14884	68.53
601	NC_015388	Desulfobacca acetoxidans DSM 11109	54.25
602	NC_015391	Carnobacterium sp. 17-4	35.91
603	NC_015410	Pseudomonas mendocina NK-01	63.26
604	NC_015422	Alicyclophilus denitrificans K601	68.72
605	NC_015424	Aeromonas veronii B565	60.05
606	NC_015428	Lactobacillus buchneri NRRL B-30929	45.31
607	NC_015434	Verrucosispora maris AB-18-032	71.28
608	NC_015458	Pusillimonas sp. T7-7	57.61
609	NC_015460	Gallibacterium anatis UMN179	40.58
610	NC_015470	Chlamydia psittaci 6BC	39.71
611	NC_015496	Krokinobacter sp. 4H-3-7-5	37.88
612	NC_015497	Glaciecola sp. 4H-3-7+YE-5	44.92

Sl No	Accession No.	Taxa_Name	(G+C)%
272	NC_009921	Frankia sp. EAN1pec	71.59
273	NC_009922	Alkaliphilus oremlandii OhLAs	37.09
274	NC_009937	Azorhizobium caulinodans ORS 571	67.66
275	NC_009943	Desulfococcus oleovorans Hxd3	57.24
276	NC_009952	Dinoroseobacter shibae DFL 12	66.35
277	NC_009953	Salinispora arenicola CNS-205	69.86
278	NC_009997	Shewanella baltica OS195	47.37
279	NC_010001	Clostridium phytofermentans ISDg	36.29
280	NC_010002	Delftia acidovorans SPH-1	67.25
281	NC_010003	Petrotoga mobilis SJ95	34.20
282	NC_010084	Burkholderia multivorans ATCC 17616	67.31
283	NC_010103	Brucella canis ATCC 23365	58.23
284	NC_010120	Neisseria meningitidis 053442	53.18
285	NC_010125	Gluconacetobacter diazotrophicus PAI 5	67.06
286	NC_010161	Bartonella tribocorum CIP 105476	40.73
287	NC_010162	Sorangium cellulosum So ce56	71.59
288	NC_010170	Bordetella petrii DSM 12804	65.98
289	NC_010184	Bacillus weihenstephanensis KBAB4	36.11
290	NC_010263	Rickettsia rickettsii str. Iowa	32.86
291	NC_010320	Thermoanaerobacter sp. X514	34.67
292	NC_010321	Thermoanaerobacter pseudethanolicus ATCC 33223	34.64
293	NC_010322	Pseudomonas putida GB-1	62.69
294	NC_010334	Shewanella halifaxensis HAW-EB4	45.70
295	NC_010336	Francisella philomiragia subsp. philomiragia ATCC 25017	33.07
296	NC_010337	Heliobacterium modesticaldum Ice1	58.01
297	NC_010338	Caulobacter sp. K31	68.13
298	NC_010376	Finexgoldia magna ATCC 29328	32.56
299	NC_010397	Mycobacterium abscessus	64.50
300	NC_010424	Candidatus Desulforudis audaxviator MP104C	62.05
301	NC_010465	Yersinia pseudotuberculosis YPIII	48.75
302	NC_010471	Leuconostoc citreum KM20	39.52
303	NC_010483	Thermotoga sp. RQ2	46.34
304	NC_010505	Methylobacterium radiotolerans JCM 2831	71.82
305	NC_010506	Shewanella woodyi ATCC 51908	44.69
306	NC_010511	Methylobacterium sp. 4-46	72.09
307	NC_010519	Haemophilus somnus 2336	37.97
308	NC_010524	Leptothrix cholodnii SP-6	69.30
309	NC_010528	Cupriavidus taiwanensis LMG 19424	68.15
310	NC_010545	Corynebacterium urealyticum DSM 7109	64.85
311	NC_010554	Proteus mirabilis HI4320	40.15
312	NC_010556	Exiguobacterium sibiricum 255-15	48.50
313	NC_010571	Opitutus terrae PB90-1	65.47
314	NC_010572	Streptomyces griseus subsp. griseus NBRC 13350	72.41
315	NC_010581	Beijerinckia indica subsp. indica ATCC 9039	58.26
316	NC_010602	Leptospira biflexa serovar Patoc strain 'Patoc 1 (Paris)'	38.96
317	NC_010610	Lactobacillus fermentum IFO 3956	53.02
318	NC_010612	Mycobacterium marinum M	66.08
319	NC_010617	Kocuria rhizophila DC2201	71.15
320	NC_010622	Burkholderia phymatum STM815	63.39
321	NC_010644	Elusimicrobium minutum Pei191	40.69
322	NC_010645	Bordetella avium 197N	62.10
323	NC_010658	Shigella boydii CDC 3083-94	52.38
324	NC_010673	Borrelia hermsii HS1	30.07
325	NC_010681	Burkholderia phytofirmans PsJN	63.10
326	NC_010682	Ralstonia pickettii 12J	64.01
327	NC_010694	Erwinia tasmaniensis Et1/99	54.91
328	NC_010717	Xanthomonas oryzae pv. oryzae PXO99A	64.28
329	NC_010725	Methylobacterium populi BJ001	70.01
330	NC_010730	Sulfurihydrogenibium sp. YO3AOP1	32.03
331	NC_010793	Orientia tsutsugamushi str. Ikeda	31.54
332	NC_010794	Methylococcobacterium infernorum V4	45.85
333	NC_010803	Chlorobium limicola DSM 245	52.23
334	NC_010814	Geobacter lovleyi SZ	55.35
335	NC_010939	Actinobacillus pleuropneumoniae serovar 7 str. AP76	42.16
336	NC_010943	Stenotrophomonas maltophilia K279a	66.71
337	NC_010981	Wolbachia endosymbiont of Culex quinquefasciatus Pel	34.62
338	NC_010994	Rhizobium etli CIAT 652	62.44
339	NC_010995	Cellvibrio japonicus Ueda107	52.65
340	NC_010999	Lactobacillus casei BL23	47.00
341	NC_011004	Rhodospseudomonas palustris TIE-1	65.40

Sl No	Accession No.	Taxa_Name	(G+C)%
613	NC_015499	Thermodesulfobium narugense DSM 14796	34.30
614	NC_015500	Treponema brennaborens DSM 12168	52.08
615	NC_015501	Porphyromonas asaccharolytica DSM 20707	53.51
616	NC_015510	Haliscomenobacter hydrossis DSM 1100	48.00
617	NC_015519	Tepidanaerobacter acetatoxydans Re1	38.31
618	NC_015556	Pseudomonas fulva 12-X	64.26
619	NC_015558	Streptococcus parauberis KCTC 11537	36.40
620	NC_015559	Marinomonas posidonica IVIA-Po-181	44.96
621	NC_015563	Delftia sp. Cs1-4	67.54
622	NC_015564	Amycolalicoccus subflavus DQS3-9A1	62.52
623	NC_015565	Desulfotomaculum carboxydivorans CO-1-SRB	47.70
624	NC_015566	Serratia sp. AS12	57.32
625	NC_015567	Serratia plymuthica AS9	57.31
626	NC_015571	Porphyromonas gingivalis TDC60	49.36
627	NC_015572	Methylomonas methanica MC09	52.01
628	NC_015573	Desulfotomaculum kuznetsovii DSM 6115	55.90
629	NC_015581	Thioalkalimicrobium cyclicum ALM1	47.51
630	NC_015588	Isoptericola variabilis 225	74.05
631	NC_015589	Desulfotomaculum ruminis DSM 2154	48.74
632	NC_015600	Streptococcus pasteurianus ATCC 43144	38.13
633	NC_015601	Erysipelothrix rhusiopathiae str. Fujisawa	36.73
634	NC_015602	Lactobacillus kefirinafaciens ZW3	38.38
635	NC_015634	Bacillus coagulans 2-6	48.15
636	NC_015635	Microlunatus phosphovorius NM-1	67.64
637	NC_015638	Lacinutrix sp. 5H-3-7-4	31.35
638	NC_015660	Geobacillus thermoglucosidasius C56-YS93	44.84
639	NC_015663	Enterobacter aerogenes KCTC 2190	56.12
640	NC_015671	[Cellvibrio] gilvus ATCC 13127	73.84
641	NC_015672	Flexistipes sinusarabici DSM 4947	38.76
642	NC_015675	Mesorhizobium opportunistum WSM2075	63.59
643	NC_015677	Ramlibacter tataouinensis TTB310	70.36
644	NC_015681	Thermodesulfatator indicus DSM 15286	42.61
645	NC_015682	Thermodesulfobacterium geofontis OPF15	30.67
646	NC_015683	Corynebacterium ulcerans BR-AD22	54.13
647	NC_015687	Clostridium acetobutylicum DSM 1731	31.49
648	NC_015696	Francisella sp. TX077308	33.38
649	NC_015702	Parachlamydia acanthamoebae UV-7	39.72
650	NC_015703	Runella slithyformis DSM 19594	47.70
651	NC_015711	Myxococcus fulvus HW-1	70.98
652	NC_015713	Simkania negevensis Z	42.45
653	NC_015725	Mycoplasma bovis Hubei-1	29.75
654	NC_015726	Cupriavidus necator N-1	67.16
655	NC_015731	Nitrosomonas sp. Is79A3	46.63
656	NC_015732	Treponema caldaria DSM 7334	45.94
657	NC_015735	Candidatus Moranella endobia PCIT	45.25
658	NC_015740	Pseudomonas stutzeri ATCC 17588 = LMG 11199	64.52
659	NC_015758	Mycobacterium africanum GM041182	65.87
660	NC_015844	Zobellia galactanivorans	43.55
661	NC_015856	Collimonas fungivorans Ter331	60.91
662	NC_015857	Brucella pinnipedialis B2/94	58.16
663	NC_015859	Corynebacterium variabile DSM 44702	67.83
664	NC_015866	Rickettsia heilongjiangensis 054	32.85
665	NC_015873	Megasphaera elsdenii DSM 20460	54.05
666	NC_015875	Streptococcus pseudopneumoniae IS7493	40.71
667	NC_015913	Candidatus Arthromitus sp. SFB-mouse-Japan	28.34
668	NC_015914	Cyclobacterium marinum DSM 745	39.13
669	NC_015930	Lactococcus garvieae ATCC 49156	39.70
670	NC_015942	Acidithiobacillus ferrovorans SS3	57.27
671	NC_015945	Muricauda ruestringensis DSM 13258	42.09
672	NC_015946	Mycoplasma putrefaciens KS1	27.42
673	NC_015953	Streptomyces sp. SirexAA-E	71.99
674	NC_015964	Haemophilus parainfluenzae T3T1	40.18
675	NC_015968	Enterobacter asburiae LF7a	54.88
676	NC_015975	Lactobacillus ruminis ATCC 27782	44.40
677	NC_015976	Sphingobium sp. SYK-6	66.00
678	NC_015978	Lactobacillus sanfranciscensis TMW 1.1304	34.87
679	NC_016001	Flavobacterium branchiophilum FL-15	33.91
680	NC_016026	Micavibrio aeruginosavorus ARL-13	55.40
681	NC_016041	Glaciecola nitrateducens FR1064	43.00
682	NC_016048	Oscillibacter valericigenes Sjm18-20	54.67
683	NC_016052	Tetragenococcus halophilus NBRC 12172	36.64