

Species	Abbr.	GC [%]	Length [bp]	Accession
<i>Candidatus Phytoplasma mali</i>	CPm	21.4	601943	NC_011047
<i>Wigglesworthia brevipalpis</i>	Wb	22.5	697724	NC_004344
<i>Streptobacillus moniliformis</i> DSM 12112	Strm	26.3	1662578	NC_013515
<i>Arcobacter butzleri</i> RM4018	Ab	27	2341251	NC_009850
<i>Clostridium botulinum</i> A str. ATCC 19397	Cb	28.2	3863450	NC_009697
<i>Clostridium difficile</i> 630	Cdif	29.1	4290252	NC_009089
<i>Campylobacter jejuni</i> RM1221	Cj	30.3	1777831	NC_003912
<i>Clostridium acetobutylicum</i> ATCC824	Ca	30.9	3940880	NC_003030
<i>Clostridium ljungdahlii</i> DSM 13528	Clj	31.1	4630065	NC_014328
<i>Francisella tularensis</i> subsp. <i>holarctica</i> FTNF002-00	Fth	32.2	1890909	NC_009749
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> JH1	Staa	33	2906507	NC_009632
<i>Flavobacterium johnsoniae</i> UW101	Fj	34.1	6096872	NC_009441
<i>Bacillus cereus</i> ATCC 14579	Bce	35.3	5411809	NC_004722
<i>Anaerococcus prevotii</i> DSM 20548	Ap	36.1	1883067	NC_013171
<i>Legionella longbeachae</i> NSW150	Llo	37.1	4077332	NC_013861
<i>Listeria monocytogenes</i> EGDe	Lm	38	2944528	NC_003210
<i>Helicobacter pylori</i> HPAG1	Hp	39.1	1596366	NC_008086
<i>Streptococcus pneumoniae</i> TCH8431/19A	Strp	39.8	2088772	NC_014251
<i>Acinetobacter</i> sp. ADP1	Asp	40.4	3598621	NC_005966
<i>Streptococcus suis</i> 05ZYH33	Strs	41.1	2096309	NC_009442
<i>Gardnerella vaginalis</i> 409-05	Gv	42	1617545	NC_013721
<i>Bacteroides fragilis</i> NCTC 9343	Bf	43.2	5205140	NC_003228
<i>Campylobacter curvus</i> 525.92	Cc	44.5	1971264	NC_009715
<i>Xenorhabdus bovienii</i> SS-2004	Xb	45	4225498	NC_013892
<i>Tropheryma whippelii</i> TW08/27	Tw	46.3	925938	NC_004551
<i>Haliscomenobacter hydrossis</i> DSM 1100	Hh	47.1	8371686	NC_015510
<i>Yersinia enterocolitica</i> subsp. <i>enterocolitica</i> 8081	Yee	47.3	4615899	NC_008800
<i>Porphyromonas gingivalis</i> W83	Pg	48.3	2343476	NC_002950
<i>Geobacillus thermodenitrificans</i> NG80-2	Gth	49	3550319	NC_009328
<i>Spirosoma linguale</i> DSM 74	Sl	50.2	8078757	NC_013730
<i>Nitrosococcus oceani</i> ATCC 19707	No	50.3	3481691	NC_007484
<i>Paenibacillus</i> sp. JDR-2	Ps2	50.3	7184930	NC_012914
<i>Escherichia coli</i> O157:H7 EDL933	EcE	50.4	5528445	NC_002655
<i>Escherichia coli</i> O157:H7 Sakai	EcS	50.5	5498450	NC_002695
<i>Pectobacterium wasabiae</i> WPP163	Pw	50.5	5063892	NC_013421
<i>Shigella sonnei</i> Ss046	Shs	51	4825265	NC_007384
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar Agona str. SL483	See	52.1	4798660	NC_011149
<i>Corynebacterium diphtheriae</i> NCTC 13129	Cdiph	53.5	2488635	NC_002935
<i>Magnetococcus</i> sp. MC-1	Msp	54.2	4719581	NC_008576
<i>Mobiluncus curtisii</i> ATCC 43063	Mc	55.4	2146480	NC_014246
<i>Renibacterium salmoninarum</i> ATCC 33209	Rsa	56.3	3155250	NC_010168
<i>Cronobacter turicensis</i> z3032	Ct	57.4	4384526	NC_013282
<i>Paenibacillus mucilaginosus</i> KNP414	Pm	58.4	8663821	NC_015690
<i>Bifidobacterium dentium</i> Bd1	Bd	58.5	2636367	NC_013714
<i>Granulibacter bethesdensis</i> CGDNIH1	Gbe	59.1	2708355	NC_008343
<i>Propionibacterium acnes</i> KPA171202	Pac	60	2560265	NC_006085
<i>Pseudomonas fluorescens</i> PfO-1	PfO-1	60.5	6438405	NC_007492

Continued on next page

Table S1 – continued from previous page

Species	Abbr.	GC [%]	Length [bp]	Accession
<i>Pseudomonas fluorescens</i> SBW25	Pfl25	60.5	6722539	NC_012660
<i>Corynebacterium jeikeium</i> K411	CjK	61.4	2462499	NC_007164
<i>Laribacter hongkongensis</i> HLHK9	Lh	62.4	3169329	NC_012559
<i>Erythrobacter litoralis</i> HTCC2594	Eli	63.1	3052398	NC_007722
<i>Thermanaerovibrio acidaminovorans</i> DSM 6589	Ta	63.8	1848474	NC_013522
<i>Mycobacterium abscessus</i> ATCC 19977T	Ma	64.1	5067172	NC_010397
<i>Xanthomonas campestris</i> pathovar <i>campestris</i>	Xcc	65	5079002	NC_007086
<i>Burkholderia</i> sp. 383 3	Bsp	65.3	1395069	NC_007509
<i>Pseudomonas aeruginosa</i> LESB58	Pae	66.3	6601757	NC_011770
<i>Gordonia bronchialis</i> DSM 43247	Gbr	67.1	5208602	NC_013441
<i>Bordetella bronchiseptica</i> RB50	Bbr	68.1	5339179	NC_002927
<i>Thermus thermophilus</i> HB8	Tth	69.5	1849742	NC_006461
<i>Haliangium ochraceum</i> DSM 14365	Ho	69.5	9446314	NC_013440
<i>Nocardia farcinica</i> IFM10152	Nf	70.8	6021225	NC_006361
<i>Streptosporangium roseum</i> DSM 43021	Sr	70.9	10341314	NC_013595
<i>Kocuria rhizophila</i> DC2201	Kr	71.2	2697540	NC_010617
<i>Amycolatopsis mediterranei</i> U32	Am	71.3	10236715	NC_014318
<i>Kytococcus sedentarius</i> DSM 20547	Ks	71.6	2785024	NC_013169
<i>Streptomyces coelicolor</i> A3(2)	Scoe	72.1	8667507	NC_003888
<i>Micrococcus luteus</i> NCTC 2665	Mlu	73	2501097	NC_012803
<i>Beutenbergia cavernae</i> DSM 12333	Bca	73.1	4669183	NC_012669
<i>Geodermatophilus obscurus</i> DSM 43160	Go	74	5322497	NC_013757
<i>Anaeromyxobacter dehalogenans</i> 2CP-C	Ad	74.9	5013479	NC_007760