

Supplementary Table 3. List of 1511 complete and draft microbial genomes used as a reference set.

These were obtained from the National Center for Biological Information (NCBI), Human Microbiome Project¹⁰ (HMP) and Sanger Center¹¹ (MetaHIT). NCBI taxonomy identifiers reported by the sources are used. Genomes of gut-specific species are marked with an asterisk. Taxonomic classification of these genomes via their 16S rRNA gene sequences using RDP Classifier³⁹ is provided in the last two columns (minimum length 500bp, minimum confidence threshold 0.8).

Organism	Genome Size (Mbp)	Source	NCBI taxonomy id	gut-specific?	rdp taxonomic rank	rdp taxon
<i>Abiotrophia defectiva</i> ATCC 49176	3.48	HMP	592010		genus	Catonella
<i>Acaryochloris marina</i> MBIC11017	6.5	NCBI	329726		class	Cyanobacteria
<i>Acetobacter pasteurianus</i> IFO 3283-01	2.91	NCBI	634452		genus	Acetobacter
<i>Acholeplasma laidlawii</i> PG-8A	1.5	NCBI	441768		genus	Acholeplasma
<i>Achromobacter piechaudii</i> ATCC 43553	6.15	HMP	742159		genus	Achromobacter
<i>Acidaminococcus fermentans</i> DSM 20731	2.33	NCBI	591001		genus	Acidaminococcus
<i>Acidaminococcus</i> sp. D21	2.24	HMP	563191	*	genus	Acidaminococcus
<i>Acidimicrobium ferrooxidans</i> DSM 10331	2.16	NCBI	525909		genus	Acidimicrobium
<i>Acidiphilium cryptum</i> JF-5	3.39	NCBI	349163		genus	Acidiphilium
<i>Acidithiobacillus ferrooxidans</i> ATCC 23270	2.98	NCBI	243159		genus	Acidithiobacillus
<i>Acidithiobacillus ferrooxidans</i> ATCC 53993	2.89	NCBI	380394		genus	Acidithiobacillus
<i>Acidobacterium capsulatum</i> ATCC 51196	4.13	NCBI	240015		genus	Acidobacteria_Gp1
<i>Acidothermus cellulolyticus</i> 11B	2.44	NCBI	351607		genus	Acidothermus
<i>Acidovorax citrulli</i> AAC00-1	5.35	NCBI	397945		genus	Acidovorax
<i>Acidovorax ebreus</i> TPSY	3.8	NCBI	535289		genus	Diaphorobacter
<i>Acidovorax</i> sp. JS42	4.45	NCBI	232721		genus	Diaphorobacter
<i>Aciduliprofundum boonei</i> T469	1.49	NCBI	439481		order	Thermoplasmatales
<i>Acinetobacter baumannii</i> AB0057	4.05	NCBI	480119		genus	Acinetobacter
<i>Acinetobacter baumannii</i> AB307-0294	3.76	NCBI	557600		genus	Acinetobacter
<i>Acinetobacter baumannii</i> ACICU	3.9	NCBI	405416		genus	Acinetobacter
<i>Acinetobacter baumannii</i> ATCC 17978	3.98	NCBI	400667		genus	Acinetobacter
<i>Acinetobacter baumannii</i> ATCC 19606	3.97	HMP	575584		genus	Acinetobacter
<i>Acinetobacter baumannii</i> AYE	3.94	NCBI	509173		genus	Acinetobacter
<i>Acinetobacter baumannii</i> SDF	3.42	NCBI	509170		genus	Acinetobacter
<i>Acinetobacter calcoaceticus</i> RUH2202	3.88	HMP	575585		genus	Acinetobacter
<i>Acinetobacter haemolyticus</i> ATCC 19194	3.72	HMP	707232		genus	Acinetobacter
<i>Acinetobacter johnsonii</i> SH046	3.69	HMP	575586		genus	Acinetobacter
<i>Acinetobacter junii</i> SH205	3.46	HMP	575587	*	genus	Acinetobacter
<i>Acinetobacter lwoffii</i> SH145	3.48	HMP	575588		genus	Acinetobacter

<i>Acinetobacter radioresistens</i> SH164	3.16	HMP	575589	*	genus	Acinetobacter
<i>Acinetobacter radioresistens</i> SK82	3.1	HMP	596318	*	genus	Acinetobacter
<i>Acinetobacter</i> sp. 6013113	4.01	HMP	592014		genus	Acinetobacter
<i>Acinetobacter</i> sp. 6013150	4.01	HMP	525243		genus	Acinetobacter
<i>Acinetobacter</i> sp. 6014059	3.87	HMP	525242		genus	Acinetobacter
<i>Acinetobacter</i> sp. ADP1	3.6	NCBI	62977		genus	Acinetobacter
<i>Acinetobacter</i> sp. ATCC 27244	3.43	HMP	525244		genus	Acinetobacter
<i>Acinetobacter</i> sp. DR1	4.15	NCBI	436717		genus	Acinetobacter
<i>Acinetobacter</i> sp. RUH2624	3.87	HMP	575564		genus	Acinetobacter
<i>Acinetobacter</i> sp. SH024	3.97	HMP	575565		genus	Acinetobacter
<i>Actinobacillus pleuropneumoniae</i> L20	2.27	NCBI	416269		genus	Actinobacillus
<i>Actinobacillus pleuropneumoniae</i> serovar 3 str. JL03	2.24	NCBI	434271		genus	Actinobacillus
<i>Actinobacillus pleuropneumoniae</i> serovar 7 str. AP76	2.33	NCBI	537457		genus	Actinobacillus
<i>Actinobacillus succinogenes</i> 130Z	2.32	NCBI	339671	*	genus	Actinobacillus
<i>Actinomyces coleocanis</i> DSM 15436	1.72	HMP	525245		genus	Actinomyces
<i>Actinomyces odontolyticus</i> ATCC 17982	2.39	HMP	411466	*	genus	Actinomyces
<i>Actinomyces odontolyticus</i> F0309	2.43	HMP	649742	*	genus	Actinomyces
<i>Actinomyces</i> sp. oral taxon 848 str. F0332	2.52	HMP	649743		order	Actinomycetales
<i>Actinomyces urogenitalis</i> DSM 15434	2.7	HMP	525246		genus	Actinomyces
<i>Actinosynnema mirum</i> DSM 43827	8.25	NCBI	446462		genus	Actinosynnema
<i>Aerococcus viridans</i> ATCC 11563	2.01	HMP	655812		genus	Aerococcus
<i>Aeromicrobium marinum</i> DSM 15272	3.09	HMP	585531		genus	Aeromicrobium
<i>Aeromonas hydrophila</i> subsp. <i>hydrophila</i> ATCC 7966	4.74	NCBI	380703		genus	Aeromonas
<i>Aeromonas salmonicida</i> subsp. <i>salmonicida</i> A449	4.7	NCBI	382245		genus	Aeromonas
<i>Aeropyrum pernix</i> K1	1.67	NCBI	272557		genus	Aeropyrum
<i>Aggregatibacter actinomycetemcomitans</i> D11S-1	2.11	NCBI	668336		genus	Aggregatibacter
<i>Aggregatibacter aphrophilus</i> NJ8700	2.31	NCBI	634176		genus	Aggregatibacter
<i>Agrobacterium radiobacter</i> K84	6.66	NCBI	311403		genus	Rhizobium
<i>Agrobacterium tumefaciens</i> str. C58	4.92	NCBI	176299		genus	Rhizobium
<i>Agrobacterium vitis</i> S4	5.01	NCBI	311402		genus	Rhizobium
<i>Akkermansia muciniphila</i> ATCC BAA-835	2.66	NCBI	349741	*	genus	Akkermansia
<i>Alcanivorax borkumensis</i> SK2	3.12	NCBI	393595		genus	Alcanivorax
<i>Alicyclobacillus acidocaldarius</i> subsp. <i>acidocaldarius</i> DSM 446	3.02	NCBI	521098		genus	Alicyclobacillus
<i>Aliivibrio salmonicida</i> LFI1238	4.53	NCBI	316275		genus	Aliivibrio
<i>Alistipes putredinis</i> DSM 17216	2.55	HMP	445970	*	genus	Alistipes
<i>Alistipes shahii</i> WAL 8301	3.76	MetaHIT	717959	*	genus	Alistipes
<i>Alkalilimnicola ehrlichii</i> MLHE-1	3.28	NCBI	187272		genus	Alkalilimnicola

<i>Alkaliphilus metalliredigens</i> QYMF	4.93	NCBI	293826		genus	Alkaliphilus
<i>Alkaliphilus oremlandii</i> OhILAs	3.12	NCBI	350688		genus	Alkaliphilus
<i>Allochromatium vinosum</i> DSM 180	3.53	NCBI	572477		genus	Allochromatium
<i>Alteromonas macleodii</i> 'Deep ecotype'	4.41	NCBI	314275		genus	Alteromonas
<i>Aminobacterium colombiense</i> DSM 12261	1.98	NCBI	572547		genus	Aminobacterium
<i>Ammonifex degensii</i> KC4	2.13	NCBI	429009		genus	Ammonifex
<i>Anabaena variabilis</i> ATCC 29413	6.4	NCBI	240292		genus	Cyanobacteria Gpl
<i>Anaerobaculum hydrogeniformans</i> ATCC BAA-1850	2.32	HMP	592015	*	genus	Anaerobaculum
<i>Anaerocellum thermophilum</i> DSM 6725	2.92	NCBI	521460		genus	Caldicellulosiruptor
<i>Anaerococcus hydrogenalis</i> DSM 7454	1.89	HMP	561177	*	genus	Anaerococcus
<i>Anaerococcus lactolyticus</i> ATCC 51172	2.21	HMP	525254		genus	Anaerococcus
<i>Anaerococcus prevotii</i> DSM 20548	1.88	NCBI	525919		genus	Anaerococcus
<i>Anaerococcus tetradius</i> ATCC 35098	2.15	HMP	525255		genus	Anaerococcus
<i>Anaerococcus vaginalis</i> ATCC 51170	1.89	HMP	655811		genus	Anaerococcus
<i>Anaerofustis stercorihominis</i> DSM 17244	2.28	HMP	445971	*	genus	Anaerofustis
<i>Anaeromyxobacter dehalogenans</i> 2CP-1	5.03	NCBI	455488		genus	Anaeromyxobacter
<i>Anaeromyxobacter dehalogenans</i> 2CP-C	5.01	NCBI	290397		genus	Anaeromyxobacter
<i>Anaeromyxobacter</i> sp. Fw109-5	5.28	NCBI	404589		genus	Anaeromyxobacter
<i>Anaeromyxobacter</i> sp. K	5.06	NCBI	447217		genus	Anaeromyxobacter
<i>Anaerostipes caccae</i> DSM 14662	3.61	HMP	411490	*	genus	Anaerostipes
<i>Anaerotruncus colihominis</i> DSM 17241	3.72	HMP	445972	*	genus	Anaerotruncus
<i>Anaplasma centrale</i> str. Israel	1.21	NCBI	574556		genus	Anaplasma
<i>Anaplasma marginale</i> str. Florida	1.2	NCBI	320483		genus	Anaplasma
<i>Anaplasma marginale</i> str. St. Maries	1.2	NCBI	234826		genus	Anaplasma
<i>Anaplasma phagocytophilum</i> HZ	1.47	NCBI	212042		genus	Anaplasma
<i>Anoxybacillus flavithermus</i> WK1	2.85	NCBI	491915		genus	Anoxybacillus
<i>Aquifex aeolicus</i> VF5	1.55	NCBI	224324		genus	Aquifex
<i>Arcanobacterium haemolyticum</i> DSM 20595	1.99	NCBI	644284		genus	Arcanobacterium
<i>Archaeoglobus fulgidus</i> DSM 4304	2.18	NCBI	224325		genus	Archaeoglobus
<i>Archaeoglobus profundus</i> DSM 5631	1.56	NCBI	572546		genus	Archaeoglobus
<i>Arcobacter butzleri</i> RM4018	2.34	NCBI	367737	*	genus	Arcobacter
<i>Arcobacter nitrofigilis</i> DSM 7299	3.19	NCBI	572480		genus	Arcobacter
<i>Aromatoleum aromaticum</i> EbN1	4.3	NCBI	76114		genus	Azoarcus
<i>Arthrobacter aurescens</i> TC1	4.6	NCBI	290340		genus	Arthrobacter
<i>Arthrobacter chlorophenolicus</i> A6	4.4	NCBI	452863		genus	Arthrobacter
<i>Arthrobacter</i> sp. FB24	4.7	NCBI	290399		genus	Arthrobacter
<i>Aster yellows witches'-broom phytoplasma</i> AYWB	0.71	NCBI	322098		genus	Acholeplasma
<i>Atopobium parvulum</i> DSM 20469	1.54	NCBI	521095		genus	Atopobium
<i>Atopobium rimae</i> ATCC 49626	1.63	HMP	553184		genus	Atopobium

<i>Atopobium vaginae</i> DSM 15829	1.44	HMP	525256		genus	Atopobium
<i>Azoarcus</i> sp. BH72	4.38	NCBI	62928		genus	Azoarcus
<i>Azorhizobium caulinodans</i> ORS 571	5.37	NCBI	438753		genus	Azorhizobium
<i>Azospirillum</i> sp. B510	3.31	NCBI	137722		genus	Azospirillum
<i>Azotobacter vinelandii</i> DJ	5.37	NCBI	322710		genus	Azotobacter
<i>Bacillus amyloliquefaciens</i> FZB42	3.92	NCBI	326423		genus	Bacillus
<i>Bacillus anthracis</i> str. A0248	5.23	NCBI	592021		genus	Bacillus
<i>Bacillus anthracis</i> str. Ames	5.23	NCBI	198094		genus	Bacillus
<i>Bacillus anthracis</i> str. 'Ames Ancestor'	5.23	NCBI	261594		genus	Bacillus
<i>Bacillus anthracis</i> str. CDC 684	5.23	NCBI	568206		genus	Bacillus
<i>Bacillus anthracis</i> str. Sterne	5.23	NCBI	260799		genus	Bacillus
<i>Bacillus cereus</i> 03BB102	5.27	NCBI	572264		genus	Bacillus
<i>Bacillus cereus</i> AH187	5.27	NCBI	405534		genus	Bacillus
<i>Bacillus cereus</i> AH820	5.3	NCBI	405535		genus	Bacillus
<i>Bacillus cereus</i> ATCC 10987	5.22	NCBI	222523		genus	Bacillus
<i>Bacillus cereus</i> ATCC 14579	5.41	NCBI	226900		genus	Bacillus
<i>Bacillus cereus</i> B4264	5.42	NCBI	405532		genus	Bacillus
<i>Bacillus cereus</i> E33L	5.3	NCBI	288681		genus	Bacillus
<i>Bacillus cereus</i> G9842	5.39	NCBI	405531		genus	Bacillus
<i>Bacillus cereus</i> Q1	5.21	NCBI	361100		genus	Bacillus
<i>Bacillus clausii</i> KSM-K16	4.3	NCBI	66692		genus	Bacillus
<i>Bacillus cytotoxicus</i> NVH 391-98	4.09	NCBI	315749		genus	Bacillus
<i>Bacillus halodurans</i> C-125	4.2	NCBI	272558	*	genus	Bacillus
<i>Bacillus licheniformis</i> ATCC 14580	8.45	NCBI	279010		genus	Bacillus
<i>Bacillus megaterium</i> DSM319	5.1	NCBI	592022		genus	Bacillus
<i>Bacillus megaterium</i> QM B1551	5.1	NCBI	545693		genus	Bacillus
<i>Bacillus pseudofirmus</i> OF4	3.86	NCBI	398511		genus	Bacillus
<i>Bacillus pumilus</i> SAFR-032	3.7	NCBI	315750		genus	Bacillus
<i>Bacillus selenitireducens</i> MLS10	3.59	NCBI	439292		genus	Bacillus
<i>Bacillus subtilis</i> subsp. <i>subtilis</i> str. 168	4.22	NCBI	224308		genus	Bacillus
<i>Bacillus thuringiensis</i> BMB171	5.33	NCBI	714359		genus	Bacillus
<i>Bacillus thuringiensis</i> serovar <i>konkukian</i> str. 97-27	5.24	NCBI	281309		genus	Bacillus
<i>Bacillus thuringiensis</i> str. Al Hakam	5.26	NCBI	412694		genus	Bacillus
<i>Bacillus tusciae</i> DSM 2912	3.38	NCBI	562970		order	Bacillales
<i>Bacillus weihenstephanensis</i> KBAB4	5.26	NCBI	315730		genus	Bacillus
<i>Bacteroides caccae</i> ATCC 43185	4.56	HMP	411901	*	genus	Bacteroides
<i>Bacteroides capillosus</i> ATCC 29799	1.86	HMP	411467	*	family	Ruminococcaceae
<i>Bacteroides cellulosilyticus</i> DSM 14838	6.87	HMP	537012	*	genus	Bacteroides
<i>Bacteroides coprocola</i> DSM 17136	4.3	HMP	470145	*	genus	Bacteroides
<i>Bacteroides coprophilus</i> DSM 18228	4.04	HMP	547042	*	genus	Bacteroides

<i>Bacteroides dorei</i> 5_1_36/D4	5.53	HMP	556260	*	genus	Bacteroides
<i>Bacteroides dorei</i> DSM 17855	5.57	HMP	483217	*	genus	Bacteroides
<i>Bacteroides eggerthii</i> DSM 20697	4.2	HMP	483216	*	genus	Bacteroides
<i>Bacteroides finegoldii</i> DSM 17565	4.89	HMP	483215	*	genus	Bacteroides
<i>Bacteroides fragilis</i> 3_1_12	5.53	HMP	457424	*	genus	Bacteroides
<i>Bacteroides fragilis</i> NCTC 9343	5.21	NCBI	272559	*	genus	Bacteroides
<i>Bacteroides fragilis</i> YCH46	5.28	NCBI	295405	*	genus	Bacteroides
<i>Bacteroides intestinalis</i> DSM 17393	5.46	HMP	471870	*	genus	Bacteroides
<i>Bacteroides ovatus</i> ATCC 8483	6.47	HMP	411476	*	genus	Bacteroides
<i>Bacteroides ovatus</i> SD CC 2a	6.05	HMP	702444	*	genus	Bacteroides
<i>Bacteroides ovatus</i> SD CMC 3f	6.78	HMP	702443	*	genus	Bacteroides
<i>Bacteroides pectinophilus</i> ATCC 43243	3.03	HMP	483218	*	family	Lachnospiraceae
<i>Bacteroides plebeius</i> DSM 17135	4.42	HMP	484018	*	genus	Bacteroides
<i>Bacteroides</i> sp. 1_1_6	6.86	HMP	469586	*	genus	Bacteroides
<i>Bacteroides</i> sp. 2_1_16	5.24	HMP	469587	*	genus	Bacteroides
<i>Bacteroides</i> sp. 2_1_22	6	HMP	469588	*	genus	Bacteroides
<i>Bacteroides</i> sp. 2_1_33B	4.93	HMP	469589	*	genus	Parabacteroides
<i>Bacteroides</i> sp. 2_1_7	5.18	HMP	457388	*		
<i>Bacteroides</i> sp. 2_2_4	7.09	HMP	469590	*	genus	Bacteroides
<i>Bacteroides</i> sp. 3_1_33FAA	5.42	HMP	457391	*	genus	Bacteroides
<i>Bacteroides</i> sp. 3_2_5	5.16	HMP	457392	*	genus	Bacteroides
<i>Bacteroides</i> sp. 4_3_47FAA	5.45	HMP	457394	*	genus	Bacteroides
<i>Bacteroides</i> sp. 9_1_42FAA	5.58	HMP	457395	*	genus	Bacteroides
<i>Bacteroides</i> sp. D1	5.98	HMP	556258	*	genus	Bacteroides
<i>Bacteroides</i> sp. D2	6.94	HMP	556259	*	genus	Bacteroides
<i>Bacteroides</i> sp. D20	4.49	HMP	585543	*	genus	Bacteroides
<i>Bacteroides stercoris</i> ATCC 43183	4.01	HMP	449673	*	genus	Bacteroides
<i>Bacteroides thetaiotaomicron</i> VPI-5482	6.26	NCBI	226186	*	genus	Bacteroides
<i>Bacteroides uniformis</i>	0.01	NCBI	820	*		
<i>Bacteroides uniformis</i> ATCC 8492	4.72	HMP	411479	*	genus	Bacteroides
<i>Bacteroides vulgatus</i> ATCC 8482	5.16	NCBI	435590	*	genus	Bacteroides
<i>Bacteroides vulgatus</i> PC510	4.78	HMP	702446	*	genus	Bacteroides
<i>Bacteroides xylanisolvens</i> SD CC 1b	6.06	HMP	702447	*	genus	Bacteroides
<i>Bacteroides xylanisolvens</i> XB1A	5.98	MetaHIT	657309	*		
<i>Bartonella bacilliformis</i> KC583	1.45	NCBI	360095		genus	Bartonella
<i>Bartonella grahamii</i> as4aup	2.34	NCBI	634504		genus	Bartonella
<i>Bartonella henselae</i> str. Houston-1	1.93	NCBI	283166		genus	Bartonella
<i>Bartonella quintana</i> str. Toulouse	1.58	NCBI	283165		genus	Bartonella
<i>Bartonella tribocorum</i> CIP 105476	2.62	NCBI	382640		genus	Bartonella
<i>Baumannia cicadellinicola</i> str. Hc (<i>Homalodisca coagulata</i>)	0.69	NCBI	374463		family	Enterobacteriaceae

<i>Bdellovibrio bacteriovorus</i> HD100	3.78	NCBI	264462		genus	Bdellovibrio
<i>Beijerinckia indica</i> subsp. <i>indica</i> ATCC 9039	4.17	NCBI	395963		genus	Beijerinckia
<i>Beutenbergia cavernae</i> DSM 12333	4.67	NCBI	471853		genus	Beutenbergia
<i>Bifidobacterium adolescentis</i> ATCC 15703	2.09	NCBI	367928	*	genus	Bifidobacterium
<i>Bifidobacterium adolescentis</i> L2-32	2.39	HMP	411481	*	genus	Bifidobacterium
<i>Bifidobacterium angulatum</i> DSM 20098	2.01	HMP	518635	*	genus	Bifidobacterium
<i>Bifidobacterium animalis</i> subsp. <i>lactis</i> AD011	1.93	NCBI	442563	*	genus	Bifidobacterium
<i>Bifidobacterium animalis</i> subsp. <i>lactis</i> BI-04	1.94	NCBI	580050	*	genus	Bifidobacterium
<i>Bifidobacterium animalis</i> subsp. <i>lactis</i> DSM 10140	1.94	NCBI	555970	*	genus	Bifidobacterium
<i>Bifidobacterium bifidum</i> NCIMB 41171	2.2	HMP	398513	*	genus	Bifidobacterium
<i>Bifidobacterium breve</i> DSM 20213	2.33	HMP	518634	*	genus	Bifidobacterium
<i>Bifidobacterium catenulatum</i> DSM 16992	2.06	HMP	566552	*	genus	Bifidobacterium
<i>Bifidobacterium dentium</i> ATCC 27678	2.13	HMP	473819	*		
<i>Bifidobacterium dentium</i> Bd1	2.64	NCBI	401473	*	genus	Bifidobacterium
<i>Bifidobacterium gallicum</i> DSM 20093	2.02	HMP	561180	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> DJO10A	2.38	NCBI	205913	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> NCC2705	2.26	NCBI	206672	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697	2.83	NCBI	391904	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 55813	2.4	HMP	548480	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> subsp. <i>infantis</i> CCUG 52486	2.48	HMP	537937	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> subsp. <i>longum</i> F8	2.38	MetaHIT	722911	*	genus	Bifidobacterium
<i>Bifidobacterium longum</i> subsp. <i>longum</i> JDM301	2.48	NCBI	759350	*	genus	Bifidobacterium
<i>Bifidobacterium pseudocatenulatum</i> DSM 20438	2.3	HMP	547043	*	genus	Bifidobacterium
<i>Blattabacterium</i> sp. (<i>Blattella germanica</i>) str. <i>Bge</i>	0.64	NCBI	331104		order	Flavobacteriales
<i>Blattabacterium</i> sp. (<i>Periplaneta americana</i>) str. <i>BPLAN</i>	0.64	NCBI	600809		order	Flavobacteriales
<i>Blautia hansenii</i> DSM 20583	3.06	HMP	537007	*	genus	Blautia
<i>Blautia hydrogenotrophica</i> DSM 10507	3.63	HMP	476272	*	genus	Blautia
<i>Bordetella avium</i> 197N	3.73	NCBI	360910		genus	Bordetella
<i>Bordetella bronchiseptica</i> RB50	5.34	NCBI	257310		genus	Bordetella
<i>Bordetella parapertussis</i> 12822	4.77	NCBI	257311		genus	Bordetella
<i>Bordetella pertussis</i> Tohama I	4.09	NCBI	257313		genus	Bordetella
<i>Bordetella petrii</i> DSM 12804	5.29	NCBI	340100		genus	Bordetella
<i>Borrelia afzelii</i> PKo	0.91	NCBI	390236		genus	Borrelia
<i>Borrelia burgdorferi</i> B31	0.91	NCBI	224326		genus	Borrelia
<i>Borrelia burgdorferi</i> Z57	0.91	NCBI	445985		genus	Borrelia
<i>Borrelia duttonii</i> Ly	0.93	NCBI	412419		genus	Borrelia

<i>Borrelia garinii</i> PBI	0.9	NCBI	290434		genus	Borrelia
<i>Borrelia hermsii</i> DAH	0.92	NCBI	314723		genus	Borrelia
<i>Borrelia recurrentis</i> A1	0.93	NCBI	412418		genus	Borrelia
<i>Borrelia turicatae</i> 91E135	0.92	NCBI	314724		genus	Borrelia
<i>Brachybacterium faecium</i> DSM 4810	3.61	NCBI	446465		genus	Brachybacterium
<i>Brachyspira hyodysenteriae</i> WA1	3	NCBI	565034		genus	Brachyspira
<i>Brachyspira murdochii</i> DSM 12563	3.24	NCBI	526224		genus	Brachyspira
<i>Bradyrhizobium japonicum</i> USDA 110	9.11	NCBI	224911		genus	Bradyrhizobium
<i>Bradyrhizobium</i> sp. BTAi1	8.26	NCBI	288000		genus	Bradyrhizobium
<i>Bradyrhizobium</i> sp. ORS278	7.46	NCBI	114615		genus	Bradyrhizobium
<i>Brevibacillus brevis</i> NBRC 100599	6.3	NCBI	358681		genus	Brevibacillus
<i>Brevibacterium mcbrellneri</i> ATCC 49030	2.56	HMP	585530		genus	Brevibacterium
<i>Brucella abortus</i> bv. 1 str. 9-941	3.29	NCBI	262698		genus	Brucella
<i>Brucella abortus</i> S19	3.28	NCBI	430066		genus	Brucella
<i>Brucella canis</i> ATCC 23365	3.31	NCBI	483179		genus	Brucella
<i>Brucella melitensis</i> ATCC 23457	3.31	NCBI	546272		genus	Brucella
<i>Brucella melitensis</i> biovar Abortus 2308	3.28	NCBI	359391		genus	Brucella
<i>Brucella melitensis</i> bv. 1 str. 16M	3.29	NCBI	224914		genus	Brucella
<i>Brucella microti</i> CCM 4915	3.34	NCBI	568815		genus	Brucella
<i>Brucella ovis</i> ATCC 25840	3.28	NCBI	444178		genus	Brucella
<i>Brucella suis</i> 1330	3.32	NCBI	204722		genus	Brucella
<i>Brucella suis</i> ATCC 23445	3.32	NCBI	470137		genus	Brucella
<i>Bryantella formatexigens</i> DSM 14469	4.55	HMP	478749	*	genus	Marvinbryantia
<i>Buchnera aphidicola</i> str. 5A (<i>Acyrtosiphon pisum</i>)	0.64	NCBI	563178		family	Enterobacteriaceae
<i>Buchnera aphidicola</i> str. APS (<i>Acyrtosiphon pisum</i>)	0.64	NCBI	107806		family	Enterobacteriaceae
<i>Buchnera aphidicola</i> str. Bp (<i>Baizongia pistaciae</i>)	0.62	NCBI	224915		family	Enterobacteriaceae
<i>Buchnera aphidicola</i> str. Cc (<i>Cinara cedri</i>)	0.42	NCBI	372461		family	Enterobacteriaceae
<i>Buchnera aphidicola</i> str. Sg (<i>Schizaphis graminum</i>)	0.64	NCBI	198804		family	Enterobacteriaceae
<i>Buchnera aphidicola</i> str. Tuc7 (<i>Acyrtosiphon pisum</i>)	0.64	NCBI	561501		family	Enterobacteriaceae
<i>Bulleidia extracta</i> W1219	1.42	HMP	679192		genus	Bulleidia
<i>Burkholderia ambifaria</i> AMMD	7.48	NCBI	339670		genus	Burkholderia
<i>Burkholderia ambifaria</i> MC40-6	7.34	NCBI	398577		genus	Burkholderia
<i>Burkholderia cenocepacia</i> AU 1054	7.28	NCBI	331271		genus	Burkholderia
<i>Burkholderia cenocepacia</i> HI2424	7.54	NCBI	331272		genus	Burkholderia
<i>Burkholderia cenocepacia</i> J2315	7.96	NCBI	216591		genus	Burkholderia
<i>Burkholderia cenocepacia</i> MC0-3	7.97	NCBI	406425		genus	Burkholderia
<i>Burkholderia glumae</i> BGR1	6.73	NCBI	626418		genus	Burkholderia
<i>Burkholderia mallei</i> ATCC 23344	5.84	NCBI	243160		genus	Burkholderia

<i>Burkholderia mallei</i> NCTC 10229	5.74	NCBI	412022		genus	Burkholderia
<i>Burkholderia mallei</i> NCTC 10247	5.85	NCBI	320389		genus	Burkholderia
<i>Burkholderia mallei</i> SAVP1	5.23	NCBI	320388		genus	Burkholderia
<i>Burkholderia multivorans</i> ATCC 17616	13.68	NCBI	395019		genus	Burkholderia
<i>Burkholderia phymatum</i> STM815	6.18	NCBI	391038		genus	Burkholderia
<i>Burkholderia phytofirmans</i> PsJN	8.09	NCBI	398527		genus	Burkholderia
<i>Burkholderia pseudomallei</i> 1106a	7.09	NCBI	357348		genus	Burkholderia
<i>Burkholderia pseudomallei</i> 1710b	7.31	NCBI	320372		genus	Burkholderia
<i>Burkholderia pseudomallei</i> 668	7.04	NCBI	320373		genus	Burkholderia
<i>Burkholderia pseudomallei</i> K96243	7.25	NCBI	272560		genus	Burkholderia
<i>Burkholderia pseudomallei</i> MSHR346	4.1	NCBI	536230		genus	Burkholderia
<i>Burkholderia</i> sp. 383	8.68	NCBI	269483		genus	Burkholderia
<i>Burkholderia</i> sp. CCGE1002	7.4	NCBI	640511		genus	Burkholderia
<i>Burkholderia thailandensis</i> E264	6.72	NCBI	271848		genus	Burkholderia
<i>Burkholderia vietnamiensis</i> G4	7.31	NCBI	269482		genus	Burkholderia
<i>Burkholderia xenovorans</i> LB400	9.73	NCBI	266265		genus	Burkholderia
butyrate-producing bacterium SM4/1	3.11	MetaHIT	245012	*	family	Lachnospiraceae
butyrate-producing bacterium SS3/4	3.6	MetaHIT	245014			
butyrate-producing bacterium SSC/2	3.11	MetaHIT	245018	*	genus	Anaerostipes
<i>Butyrivibrio crossotus</i> DSM 2876	2.5	HMP	511680	*	family	Lachnospiraceae
<i>Butyrivibrio fibrisolvens</i> 16/4	3.16	MetaHIT	657324	*		
<i>Caldicellulosiruptor saccharolyticus</i> DSM 8903	2.97	NCBI	351627		genus	Caldicellulosiruptor
<i>Caldivirga maquilingensis</i> IC-167	2.08	NCBI	397948		genus	Caldivirga
<i>Campylobacter concisus</i> 13826	2.05	NCBI	360104		genus	Campylobacter
<i>Campylobacter curvus</i> 525.92	1.97	NCBI	360105		genus	Campylobacter
<i>Campylobacter fetus</i> subsp. <i>fetus</i> 82-40	1.77	NCBI	360106		genus	Campylobacter
<i>Campylobacter gracilis</i> RM3268	2.26	HMP	553220		genus	Campylobacter
<i>Campylobacter hominis</i> ATCC BAA-381	1.71	NCBI	360107		genus	Campylobacter
<i>Campylobacter jejuni</i> RM1221	1.78	NCBI	195099		genus	Campylobacter
<i>Campylobacter jejuni</i> subsp. <i>doylei</i> 269.97	1.85	NCBI	360109		genus	Campylobacter
<i>Campylobacter jejuni</i> subsp. <i>jejuni</i> 81116	1.63	NCBI	407148		genus	Campylobacter
<i>Campylobacter jejuni</i> subsp. <i>jejuni</i> 81-176	1.62	NCBI	354242		genus	Campylobacter
<i>Campylobacter jejuni</i> subsp. <i>jejuni</i> NCTC 11168	1.64	NCBI	192222		genus	Campylobacter
<i>Campylobacter lari</i> RM2100	1.53	NCBI	306263		genus	Campylobacter
<i>Campylobacter rectus</i> RM3267	2.51	HMP	553218		genus	Campylobacter
<i>Campylobacter showae</i> RM3277	2.07	HMP	553219		genus	Campylobacter
<i>Candidatus Accumolibacter phosphatis</i> clade IIA str. UW-1	5.06	NCBI	522306		genus	Propionivibrio
<i>Candidatus Amoebophilus asiaticus</i> 5a2	1.88	NCBI	452471		order	Sphingobacteriales
<i>Candidatus Azobacteroides pseudotrichonymphae</i> genomovar. CFP2	1.11	NCBI	511995		family	Porphyromonadaceae

<i>Candidatus Blochmannia floridanus</i>	0.71	NCBI	203907		family	Enterobacteriaceae
<i>Candidatus Blochmannia pennsylvanicus</i> str. BPEN	0.79	NCBI	291272		genus	Sodalis
<i>Candidatus Carsonella ruddii</i> PV	0.16	NCBI	387662		phylum	Proteobacteria
<i>Candidatus Cloacamonas acidaminovorans</i>	2.25	NCBI	456827		domain	Bacteria
<i>Candidatus Desulforudis audaxviator</i> MP104C	2.35	NCBI	477974		family	Thermoanaerobacteraceae
<i>Candidatus Hamiltonella defensa</i> 5AT (<i>Acyrtosiphon pisum</i>)	2.11	NCBI	572265		family	Enterobacteriaceae
<i>Candidatus Hodgkinia cicadicola</i> Dsem	0.14	NCBI	573234		class	Alphaproteobacteria
<i>Candidatus Korarchaeum cryptofilum</i> OPF8	1.59	NCBI	374847		genus	<i>Candidatus Korarchaeum</i>
<i>Candidatus Koribacter versatilis</i> Ellin345	5.65	NCBI	204669		genus	Acidobacteria_Gp1
<i>Candidatus Liberibacter asiaticus</i> str. psy62	1.23	NCBI	537021		order	Rhizobiales
<i>Candidatus Methanoregula boonei</i> 6A8	2.54	NCBI	456442		order	Methanomicrobiales
<i>Candidatus Pelagibacter ubique</i> HTCC1062	1.31	NCBI	335992		genus	Pelagibacter
<i>Candidatus Phytoplasma australiense</i>	0.88	NCBI	59748		genus	Acholeplasma
<i>Candidatus Phytoplasma mali</i>	0.6	NCBI	37692		genus	Acholeplasma
<i>Candidatus Protochlamydia amoebophila</i> UWE25	2.41	NCBI	264201		genus	Parachlamydia
<i>Candidatus Puniceispirillum marinum</i> IMCC1322	2.75	NCBI	488538		family	Rhodospirillaceae
<i>Candidatus Riesia pediculicola</i> USDA	0.57	NCBI	515618		genus	Arsenophonus
<i>Candidatus Ruthia magnifica</i> str. Cm (<i>Calyptogenia magnifica</i>)	1.16	NCBI	413404		class	Gammaproteobacteria
<i>Candidatus Solibacter usitatus</i> Ellin6076	9.97	NCBI	234267		genus	Acidobacteria_Gp3
<i>Candidatus Sulcia muelleri</i> DMIN	0.24	NCBI	641892		order	Flavobacteriales
<i>Candidatus Sulcia muelleri</i> GWSS	0.25	NCBI	444179		order	Flavobacteriales
<i>Candidatus Sulcia muelleri</i> SMDSEM	0.28	NCBI	595499		order	Flavobacteriales
<i>Candidatus Vesicomysocius okutanii</i> HA	1.02	NCBI	412965		class	Gammaproteobacteria
<i>Capnocytophaga gingivalis</i> ATCC 33624	2.67	HMP	553178		genus	Capnocytophaga
<i>Capnocytophaga ochracea</i> DSM 7271	2.61	NCBI	521097		genus	Capnocytophaga
<i>Capnocytophaga sputigena</i> ATCC 33612	3	HMP	553177		genus	Capnocytophaga
<i>Carboxydotherrmus hydrogenoformans</i> Z-2901	2.4	NCBI	246194		genus	Carboxydotherrmus
<i>Cardiobacterium hominis</i> ATCC 15826	2.64	HMP	638300		genus	Cardiobacterium
<i>Catenibacterium mitsuokai</i> DSM 15897	2.67	HMP	451640	*	genus	Catenibacterium
<i>Catenulispora acidiphila</i> DSM 44928	10.47	NCBI	479433		genus	Catenulispora
<i>Catonella morbi</i> ATCC 51271	2.04	HMP	592026		genus	Abiotrophia
<i>Caulobacter crescentus</i> CB15	4.02	NCBI	190650		genus	Caulobacter
<i>Caulobacter crescentus</i> NA1000	4.04	NCBI	565050		genus	Caulobacter
<i>Caulobacter segnis</i> ATCC 21756	4.66	NCBI	509190		genus	Caulobacter
<i>Caulobacter</i> sp. K31	5.48	NCBI	366602		genus	Caulobacter
<i>Cellulomonas flavigena</i> DSM 20109	4.12	NCBI	446466		genus	Cellulomonas

<i>Cellvibrio japonicus</i> Ueda107	4.58	NCBI	498211		genus	Cellvibrio
<i>Cenarchaeum symbiosum</i> A unordered unplaced scaffolds	2.05	NCBI	414004		class	Thermoprotei
<i>Chelativorans</i> sp. BNC1	4.41	NCBI	266779		family	Phyllobacteriaceae
<i>Chitinophaga pinensis</i> DSM 2588	9.13	NCBI	485918		genus	Chitinophaga
<i>Chlamydia muridarum</i> Nigg	1.07	NCBI	243161		genus	Chlamydia
<i>Chlamydia trachomatis</i> 434/Bu	1.04	NCBI	471472		genus	Chlamydia
<i>Chlamydia trachomatis</i> A/HAR-13	1.04	NCBI	315277		genus	Chlamydia
<i>Chlamydia trachomatis</i> B/Jali20/OT	1.04	NCBI	580049		genus	Chlamydia
<i>Chlamydia trachomatis</i> B/TZ1A828/OT	1.04	NCBI	672161		genus	Chlamydia
<i>Chlamydia trachomatis</i> D/UW-3/CX	1.04	NCBI	272561		genus	Chlamydia
<i>Chlamydia trachomatis</i> L2b/UCH-1/proctitis	1.04	NCBI	471473		genus	Chlamydia
<i>Chlamydophila abortus</i> S26/3	1.14	NCBI	218497		genus	Chlamydophila
<i>Chlamydophila caviae</i> GPIC	1.17	NCBI	227941		genus	Chlamydophila
<i>Chlamydophila felis</i> Fe/C-56	1.17	NCBI	264202		genus	Chlamydophila
<i>Chlamydophila pneumoniae</i> AR39	1.23	NCBI	115711		genus	Chlamydophila
<i>Chlamydophila pneumoniae</i> CWL029	1.23	NCBI	115713		genus	Chlamydophila
<i>Chlamydophila pneumoniae</i> J138	1.23	NCBI	138677		genus	Chlamydophila
<i>Chlamydophila pneumoniae</i> TW-183	1.23	NCBI	182082		genus	Chlamydophila
<i>Chlorobaculum parvum</i> NCIB 8327	2.29	NCBI	517417		genus	Chlorobium
<i>Chlorobium chlorochromatii</i> CaD3	2.57	NCBI	340177		genus	Chlorobium
<i>Chlorobium limicola</i> DSM 245	2.76	NCBI	290315		genus	Chlorobium
<i>Chlorobium luteolum</i> DSM 273	2.36	NCBI	319225		genus	Chlorobium
<i>Chlorobium phaeobacteroides</i> BS1	2.74	NCBI	331678		genus	Prosthecochloris
<i>Chlorobium phaeobacteroides</i> DSM 266	3.13	NCBI	290317		genus	Chlorobium
<i>Chlorobium phaeovibrioides</i> DSM 265	1.97	NCBI	290318		genus	Chlorobium
<i>Chlorobium tepidum</i> TLS	2.15	NCBI	194439		genus	Chlorobaculum
<i>Chloroflexus aggregans</i> DSM 9485	4.68	NCBI	326427		genus	Chloroflexus
<i>Chloroflexus aurantiacus</i> J-10-fl	5.26	NCBI	324602		genus	Chloroflexus
<i>Chloroflexus</i> sp. Y-400-fl	5.27	NCBI	480224		genus	Chloroflexus
<i>Chloroherpeton thalassium</i> ATCC 35110	3.29	NCBI	517418		genus	Chloroherpeton
<i>Chromobacterium violaceum</i> ATCC 12472	4.75	NCBI	243365		genus	Chromobacterium
<i>Chromohalobacter salexigens</i> DSM 3043	3.7	NCBI	290398		genus	Chromohalobacter
<i>Chryseobacterium gleum</i> ATCC 35910	5.58	HMP	525257		genus	Chryseobacterium
<i>Citrobacter koseri</i> ATCC BAA-895	4.72	NCBI	290338		family	Enterobacteriaceae
<i>Citrobacter rodentium</i> ICC168	5.35	NCBI	637910		genus	Citrobacter
<i>Citrobacter</i> sp. 30_2	5.13	HMP	469595	*	genus	Citrobacter
<i>Citrobacter youngae</i> ATCC 29220	5.15	HMP	500640	*	family	Enterobacteriaceae
<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> NCPPB 382	3.3	NCBI	443906		genus	Clavibacter
<i>Clavibacter michiganensis</i> subsp. <i>sepedonicus</i>	3.26	NCBI	31964		genus	Clavibacter

<i>Clostridiales bacterium 1_7_47FAA</i>	6.55	HMP	457421		order	Clostridiales
<i>Clostridiales genomosp. BVAB3 str. UPII9-5</i>	3.62	NCBI	699246		genus	Acetivibrio
<i>Clostridium acetobutylicum ATCC 824</i>	3.94	NCBI	272562		genus	Clostridium
<i>Clostridium asparagiforme DSM 15981</i>	6.42	HMP	518636	*	order	Clostridiales
<i>Clostridium bartlettii DSM 16795</i>	2.97	HMP	445973	*	genus	Sporacetigenium
<i>Clostridium beijerinckii NCIMB 8052</i>	6	NCBI	290402		genus	Clostridium
<i>Clostridium bolteae ATCC BAA-613</i>	6.56	HMP	411902	*	order	Clostridiales
<i>Clostridium botulinum A str. ATCC 19397</i>	3.86	NCBI	441770		genus	Clostridium
<i>Clostridium botulinum A str. ATCC 3502</i>	3.89	NCBI	413999		genus	Clostridium
<i>Clostridium botulinum A str. Hall</i>	3.76	NCBI	441771		genus	Clostridium
<i>Clostridium botulinum A2 str. Kyoto</i>	4.16	NCBI	536232		genus	Clostridium
<i>Clostridium botulinum A3 str. Loch Maree</i>	3.99	NCBI	498214		genus	Clostridium
<i>Clostridium botulinum B str. Eklund 17B</i>	3.8	NCBI	508765		genus	Clostridium
<i>Clostridium botulinum B1 str. Okra</i>	3.96	NCBI	498213		genus	Clostridium
<i>Clostridium botulinum Ba4 str. 657</i>	3.98	NCBI	515621		genus	Clostridium
<i>Clostridium botulinum E3 str. Alaska E43</i>	3.66	NCBI	508767		genus	Clostridium
<i>Clostridium botulinum F str. Langeland</i>	4	NCBI	441772		genus	Clostridium
<i>Clostridium cellulolyticum H10</i>	4.07	NCBI	394503		genus	Acetivibrio
<i>Clostridium cf. saccharolyticum K10</i>	3.77	MetaHIT	717608		family	Lachnospiraceae
<i>Clostridium difficile 630</i>	4.29	NCBI	272563	*	family	Peptostreptococcaceae
<i>Clostridium difficile CD196</i>	4.11	NCBI	645462	*	family	Peptostreptococcaceae
<i>Clostridium difficile NAP07</i>	3.91	HMP	525258	*	family	Peptostreptococcaceae
<i>Clostridium difficile NAP08</i>	4.08	HMP	525259	*	family	Peptostreptococcaceae
<i>Clostridium difficile R20291</i>	4.19	NCBI	645463	*	family	Peptostreptococcaceae
<i>Clostridium hathewayi DSM 13479</i>	7.16	HMP	566550	*		
<i>Clostridium hiranonis DSM 13275</i>	2.48	HMP	500633	*	genus	Peptostreptococcus
<i>Clostridium hylemonae DSM 15053</i>	3.89	HMP	553973	*		
<i>Clostridium kluveri DSM 555</i>	3.96	NCBI	431943		genus	Clostridium
<i>Clostridium kluveri NBRC 12016</i>	3.9	NCBI	583346		genus	Clostridium
<i>Clostridium leptum DSM 753</i>	3.27	HMP	428125	*	family	Ruminococcaceae
<i>Clostridium methylpentosum DSM 5476</i>	3.48	HMP	537013	*	family	Ruminococcaceae
<i>Clostridium nexile DSM 1787</i>	4	HMP	500632	*	family	Lachnospiraceae
<i>Clostridium novyi NT</i>	2.55	NCBI	386415		genus	Clostridium
<i>Clostridium perfringens ATCC 13124</i>	3.26	NCBI	195103	*	genus	Clostridium
<i>Clostridium perfringens SM101</i>	2.9	NCBI	289380	*	genus	Clostridium
<i>Clostridium perfringens str. 13</i>	3.03	NCBI	195102	*	genus	Clostridium
<i>Clostridium phytofermentans ISDg</i>	4.85	NCBI	357809		genus	Anaerosporebacter
<i>Clostridium ramosum DSM 1402</i>	3.24	HMP	445974	*	genus	Coprobacillus
<i>Clostridium scindens ATCC 35704</i>	3.62	HMP	411468	*	genus	Dorea
<i>Clostridium sp. 7_2_43FAA</i>	3.84	HMP	457396	*	genus	Clostridium
<i>Clostridium sp. L2-50</i>	2.95	HMP	411489		genus	Coprococcus

<i>Clostridium</i> sp. M62/1	3.84	HMP	411486		family	Lachnospiraceae
<i>Clostridium</i> sp. SS2/1	3.14	HMP	411484	*	genus	Anaerostipes
<i>Clostridium</i> spiroforme DSM 1552	2.51	HMP	428126		genus	Coprobacillus
<i>Clostridium</i> sporogenes ATCC 15579	4.1	HMP	471871		genus	Clostridium
<i>Clostridium</i> tetani E88	2.8	NCBI	212717		genus	Clostridium
<i>Clostridium</i> thermocellum ATCC 27405	3.84	NCBI	203119		genus	Acetivibrio
<i>Collinsella</i> aerofaciens ATCC 25986	2.44	HMP	411903	*	genus	Collinsella
<i>Collinsella</i> intestinalis DSM 13280	1.81	HMP	521003	*	genus	Collinsella
<i>Collinsella</i> stercoris DSM 13279	2.48	HMP	445975	*	genus	Collinsella
<i>Colwellia</i> psychrerythraea 34H	5.37	NCBI	167879		genus	Colwellia
<i>Comamonas</i> testosteroni CNB-2	5.37	NCBI	688245		genus	Comamonas
<i>Conexibacter</i> woesei DSM 14684	6.36	NCBI	469383		genus	Conexibacter
<i>Coprococcus</i> catus GD/7	3.52	MetaHIT	717962	*	genus	Coprococcus
<i>Coprococcus</i> comes ATCC 27758	3.24	HMP	470146	*	genus	Coprococcus
<i>Coprococcus</i> eutactus ATCC 27759	3.1	HMP	411474	*	genus	Coprococcus
<i>Coprococcus</i> sp. ART55/1	3.12	MetaHIT	751585	*	genus	Coprococcus
<i>Coprothermobacter</i> proteolyticus DSM 5265	1.42	NCBI	309798		genus	Coprothermobacter
<i>Coralimargarita</i> akajimensis DSM 45221	3.75	NCBI	583355		genus	Coralimargarita
<i>Corynebacterium</i> accolens ATCC 49725	2.44	HMP	525260		genus	Corynebacterium
<i>Corynebacterium</i> ammoniagenes DSM 20306	2.76	HMP	649754	*	genus	Corynebacterium
<i>Corynebacterium</i> amycolatum SK46	2.51	HMP	553204		genus	Corynebacterium
<i>Corynebacterium</i> aurimucosum ATCC 700975	5.52	NCBI	548476		genus	Corynebacterium
<i>Corynebacterium</i> diphtheriae NCTC 13129	2.49	NCBI	257309		genus	Corynebacterium
<i>Corynebacterium</i> efficiens YS-314	6.34	NCBI	196164		genus	Corynebacterium
<i>Corynebacterium</i> genitalium ATCC 33030	2.36	HMP	585529		genus	Corynebacterium
<i>Corynebacterium</i> glucuronolyticum ATCC 51866	2.88	HMP	548478		genus	Corynebacterium
<i>Corynebacterium</i> glucuronolyticum ATCC 51867	2.81	HMP	548477		genus	Corynebacterium
<i>Corynebacterium</i> glutamicum ATCC 13032	6.59	NCBI	196627		genus	Corynebacterium
<i>Corynebacterium</i> glutamicum R	3.31	NCBI	340322		genus	Corynebacterium
<i>Corynebacterium</i> jeikeium ATCC 43734	2.49	HMP	525262		genus	Corynebacterium
<i>Corynebacterium</i> jeikeium K411	2.46	NCBI	306537		genus	Corynebacterium
<i>Corynebacterium</i> kroppenstedtii DSM 44385	2.45	NCBI	645127		genus	Corynebacterium
<i>Corynebacterium</i> lipophiloflavum DSM 44291	2.39	HMP	525263		genus	Corynebacterium
<i>Corynebacterium</i> matruchotii ATCC 14266	2.85	HMP	553207		genus	Corynebacterium
<i>Corynebacterium</i> matruchotii ATCC 33806	2.99	HMP	566549		genus	Corynebacterium
<i>Corynebacterium</i> pseudogenitalium ATCC 33035	2.63	HMP	525264		genus	Corynebacterium
<i>Corynebacterium</i> striatum ATCC 6940	2.83	HMP	525268		genus	Corynebacterium
<i>Corynebacterium</i> tuberculostearicum SK141	2.37	HMP	553206		genus	Corynebacterium
<i>Corynebacterium</i> urealyticum DSM 7109	2.37	NCBI	504474		genus	Corynebacterium

<i>Coxiella burnetii</i> CbuG_Q212	2.01	NCBI	434923		class	Gammaproteobacteria
<i>Coxiella burnetii</i> CbuK_Q154	2.06	NCBI	434924		class	Gammaproteobacteria
<i>Coxiella burnetii</i> Dugway 5J108-111	2.16	NCBI	434922		class	Gammaproteobacteria
<i>Coxiella burnetii</i> RSA 331	2.02	NCBI	360115		class	Gammaproteobacteria
<i>Coxiella burnetii</i> RSA 493	2	NCBI	227377		class	Gammaproteobacteria
<i>Croceibacter atlanticus</i> HTCC2559	2.95	NCBI	216432		genus	Croceibacter
<i>Cronobacter sakazakii</i> ATCC BAA-894	4.37	NCBI	290339		genus	Cronobacter
<i>Cronobacter turicensis</i> z3032	4.38	NCBI	693216		genus	Cronobacter
<i>Cryptobacterium curtum</i> DSM 15641	1.62	NCBI	469378		genus	Cryptobacterium
<i>Cupriavidus metallidurans</i> CH34	3.93	NCBI	266264		genus	Cupriavidus
<i>Cupriavidus taiwanensis</i>	5.92	NCBI	164546		genus	Cupriavidus
<i>cyanobacterium</i> UCYN-A	1.44	NCBI	713887		class	Cyanobacteria
<i>Cyanothece</i> sp. ATCC 51142	5.36	NCBI	43989		class	Cyanobacteria
<i>Cyanothece</i> sp. PCC 7424	5.94	NCBI	65393		class	Cyanobacteria
<i>Cyanothece</i> sp. PCC 7425	5.37	NCBI	395961		class	Cyanobacteria
<i>Cyanothece</i> sp. PCC 8801	4.68	NCBI	41431		class	Cyanobacteria
<i>Cyanothece</i> sp. PCC 8802	4.67	NCBI	395962		class	Cyanobacteria
<i>Cytophaga hutchinsonii</i> ATCC 33406	4.43	NCBI	269798		genus	Cytophaga
<i>Dechloromonas aromatica</i> RCB	4.5	NCBI	159087		genus	Ferribacterium
<i>Deferribacter desulfuricans</i> SSM1	2.23	NCBI	639282		genus	Deferribacter
<i>Dehalococcoides ethenogenes</i> 195	1.47	NCBI	243164		genus	Dehalococcoides
<i>Dehalococcoides</i> sp. BAV1	1.34	NCBI	216389		genus	Dehalococcoides
<i>Dehalococcoides</i> sp. CBDB1	1.4	NCBI	255470		genus	Dehalococcoides
<i>Dehalococcoides</i> sp. GT	1.36	NCBI	633145		genus	Dehalococcoides
<i>Dehalococcoides</i> sp. VS	1.41	NCBI	311424		genus	Dehalococcoides
<i>Dehalogenimonas lykanthroporepellens</i> BL-DC-9	1.69	NCBI	552811		genus	Dehalogenimonas
<i>Deinococcus deserti</i> VCD115	2.82	NCBI	546414		genus	Deinococcus
<i>Deinococcus geothermalis</i> DSM 11300	2.47	NCBI	319795		genus	Deinococcus
<i>Deinococcus radiodurans</i> R1	3.06	NCBI	243230		genus	Deinococcus
<i>Delftia acidovorans</i> SPH-1	6.77	NCBI	398578		genus	Delftia
<i>Denitrovibrio acetiphilus</i> DSM 12809	3.22	NCBI	522772		genus	Denitrovibrio
<i>Desulfatibacillum alkenivorans</i> AK-01	6.52	NCBI	439235		genus	Desulfatibacillum
<i>Desulfitobacterium hafniense</i> DCB-2	5.28	NCBI	272564	*	genus	Desulfitobacterium
<i>Desulfitobacterium hafniense</i> Y51	5.73	NCBI	138119	*	genus	Desulfitobacterium
<i>Desulfobacterium autotrophicum</i> HRM2	5.59	NCBI	177437		genus	Desulfobacterium
<i>Desulfococcus oleovorans</i> Hxd3	3.94	NCBI	96561		family	Desulfobacteraceae
<i>Desulfohalobium retbaense</i> DSM 5692	2.86	NCBI	485915		genus	Desulfohalobium
<i>Desulfomicrobium baculatum</i> DSM 4028	3.94	NCBI	525897		genus	Desulfomicrobium
<i>Desulfotalea psychrophila</i> Lsv54	3.52	NCBI	177439		genus	Desulfotalea
<i>Desulfotomaculum acetoxidans</i> DSM 771	4.55	NCBI	485916		genus	Desulfotomaculum

<i>Desulfotomaculum reducens</i> MI-1	3.61	NCBI	349161		genus	Desulfotomaculum
<i>Desulfovibrio desulfuricans</i> subsp. <i>desulfuricans</i> str. ATCC 27774	2.87	NCBI	525146		genus	Desulfovibrio
<i>Desulfovibrio desulfuricans</i> subsp. <i>desulfuricans</i> str. G20	3.73	NCBI	207559	*	genus	Desulfovibrio
<i>Desulfovibrio magneticus</i> RS-1	5.25	NCBI	573370		genus	Desulfovibrio
<i>Desulfovibrio piger</i> ATCC 29098	2.87	HMP	411464	*	genus	Desulfovibrio
<i>Desulfovibrio salexigens</i> DSM 2638	4.29	NCBI	526222		genus	Desulfovibrio
<i>Desulfovibrio vulgaris</i> DP4	3.46	NCBI	391774		genus	Desulfovibrio
<i>Desulfovibrio vulgaris</i> str. Hildenborough	3.57	NCBI	882		genus	Desulfovibrio
<i>Desulfovibrio vulgaris</i> str. 'Miyazaki F'	4.04	NCBI	883		genus	Desulfovibrio
<i>Desulfurivibrio alkaliphilus</i> AHT2	3.1	NCBI	589865		genus	Desulfurivibrio
<i>Desulfurococcus kamchatkensis</i> 1221n	1.37	NCBI	490899		genus	Desulfurococcus
<i>Dialister invisus</i> DSM 15470	1.9	HMP	592028		genus	Dialister
<i>Dichelobacter nodosus</i> VCS1703A	1.39	NCBI	246195		genus	Dichelobacter
<i>Dickeya dadantii</i> Ech586	4.82	NCBI	590409		genus	Dickeya
<i>Dickeya dadantii</i> Ech703	4.68	NCBI	579405		genus	Dickeya
<i>Dickeya zeae</i> Ech1591	4.81	NCBI	561229		genus	Dickeya
<i>Dictyoglomus thermophilum</i> H-6-12	1.96	NCBI	309799		genus	Dictyoglomus
<i>Dictyoglomus turgidum</i> DSM 6724	1.86	NCBI	515635		genus	Dictyoglomus
<i>Dinoroseobacter shibae</i> DFL 12	3.79	NCBI	398580		genus	Dinoroseobacter
<i>Dorea formicigenerans</i> ATCC 27755	1.14	HMP	411461	*	genus	Dorea
<i>Dorea longicatena</i> DSM 13814	2.92	HMP	411462	*	genus	Dorea
<i>Dyadobacter fermentans</i> DSM 18053	6.97	NCBI	471854		genus	Dyadobacter
<i>Edwardsiella ictaluri</i> 93-146	3.81	NCBI	634503		genus	Edwardsiella
<i>Edwardsiella tarda</i> ATCC 23685	3.74	HMP	500638	*	genus	Edwardsiella
<i>Edwardsiella tarda</i> EIB202	3.76	NCBI	498217	*	genus	Edwardsiella
<i>Eggerthella lenta</i> DSM 2243	3.63	NCBI	479437	*	genus	Eggerthella
<i>Ehrlichia canis</i> str. Jake	1.32	NCBI	269484		genus	Ehrlichia
<i>Ehrlichia chaffeensis</i> str. Arkansas	1.18	NCBI	205920		genus	Ehrlichia
<i>Ehrlichia ruminantium</i> str. Gardel	1.5	NCBI	302409		genus	Ehrlichia
<i>Ehrlichia ruminantium</i> str. Welgevonden	3.03	NCBI	254945		genus	Ehrlichia
<i>Eikenella corrodens</i> ATCC 23834	2.17	HMP	546274		family	Neisseriaceae
<i>Elusimicrobium minutum</i> Pei191	1.64	NCBI	445932		domain	Bacteria
<i>Enhydrobacter aerosaccus</i> SK60	2.7	HMP	553217		genus	Enhydrobacter
<i>Enterobacter cancerogenus</i> ATCC 35316	4.64	HMP	500639	*	genus	Enterobacter
<i>Enterobacter cloacae</i> subsp. <i>cloacae</i> ATCC 13047	5.31	NCBI	716541	*	genus	Enterobacter
<i>Enterobacter cloacae</i> subsp. <i>cloacae</i> NCTC 9394	4.91	MetaHIT	718254	*	genus	Enterobacter
<i>Enterobacter</i> sp. 638	4.52	NCBI	399742		genus	Enterobacter
<i>Enterococcus faecalis</i>	0.02	NCBI	1351	*		

<i>Enterococcus faecalis</i> ATCC 29200	2.97	HMP	525271	*	genus	Enterococcus
<i>Enterococcus faecalis</i> HH22	3.13	HMP	491075	*	genus	Enterococcus
<i>Enterococcus faecalis</i> PC1.1	2.75	HMP	791166	*	genus	Enterococcus
<i>Enterococcus faecalis</i> R712	3.04	HMP	699186	*	genus	Enterococcus
<i>Enterococcus faecalis</i> S613	3.05	HMP	699185	*	genus	Enterococcus
<i>Enterococcus faecalis</i> TUSoD Ef11	2.8	HMP	553209	*	genus	Enterococcus
<i>Enterococcus faecalis</i> TX0104	3.16	HMP	491074	*	genus	Enterococcus
<i>Enterococcus faecalis</i> TX1322	2.97	HMP	525278	*	genus	Enterococcus
<i>Enterococcus faecalis</i> V583	3.22	NCBI	226185	*	genus	Enterococcus
<i>Enterococcus faecium</i> DO	2.83	HMP	333849	*	genus	Enterococcus
<i>Enterococcus faecium</i> PC4.1	2.81	HMP	791161	*	genus	Enterococcus
<i>Enterococcus faecium</i> TX1330	2.78	HMP	525279	*	genus	Enterococcus
<i>Enterococcus</i> sp. 7L76	3.1	MetaHIT	657310	*	genus	Enterococcus
<i>Erwinia amylovora</i> ATCC 49946	3.81	NCBI	716540		genus	Erwinia
<i>Erwinia amylovora</i> CFBP1430	3.81	NCBI	665029		genus	Erwinia
<i>Erwinia pyrifoliae</i> Ep1/96	4.03	NCBI	634499		genus	Erwinia
<i>Erwinia tasmaniensis</i> Et1/99	3.88	NCBI	465817		genus	Erwinia
<i>Erysipelothrix rhusiopathiae</i> ATCC 19414	1.73	HMP	525280		genus	Erysipelothrix
<i>Erysipelotrichaceae</i> bacterium 5_2_54FAA	3.19	HMP	552396		genus	Eubacterium
<i>Erythrobacter litoralis</i> HTCC2594	3.05	NCBI	314225		genus	Erythrobacter
<i>Escherichia coli</i> 536	4.94	NCBI	362663	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> 55989	5.15	NCBI	585055	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> 83972	5.11	HMP	525281	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> APEC O1	5.08	NCBI	405955	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> ATCC 8739	4.75	NCBI	481805	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> B str. REL606	4.63	NCBI	413997	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> BL21(DE3)	4.57	NCBI	469008	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> BW2952	4.58	NCBI	595496	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> CFT073	5.23	NCBI	199310	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> E24377A	4.98	NCBI	331111	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> ED1a	5.21	NCBI	585397	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> HS	4.64	NCBI	331112	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> IAI1	4.7	NCBI	585034	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> IAI39	5.13	NCBI	585057	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O103:H2 str. 12009	5.45	NCBI	585395	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O111:H- str. 11128	5.37	NCBI	585396	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O127:H6 str. E2348/69	4.97	NCBI	574521	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O157:H7 EDL933	5.53	NCBI	155864	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O157:H7 str. EC4115	5.57	NCBI	444450	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O157:H7 str. Sakai	5.5	NCBI	386585	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O157:H7 str. TW14359	5.53	NCBI	544404	*	genus	Escherichia/Shigella

<i>Escherichia coli</i> O26:H11 str. 11368	5.7	NCBI	573235	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> O55:H7 str. CB9615	5.39	NCBI	701177	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> S88	5.03	NCBI	585035	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> SE11	4.89	NCBI	409438	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> SE15	4.72	HMP	431946	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> SMS-3-5	5.07	NCBI	439855	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> str. K-12 substr. DH10B	4.69	NCBI	316385	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> str. K-12 substr. MG1655	4.64	NCBI	511145	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> str. K-12 substr. W3110	4.65	NCBI	316407	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> UMN026	5.2	NCBI	585056	*	genus	Escherichia/Shigella
<i>Escherichia coli</i> UTI89	5.07	NCBI	364106	*	genus	Escherichia/Shigella
<i>Escherichia fergusonii</i> ATCC 35469	4.59	NCBI	585054		genus	Escherichia/Shigella
<i>Escherichia</i> sp. 1_1_43	2.24	HMP	457400	*	genus	Escherichia/Shigella
<i>Escherichia</i> sp. 3_2_53FAA	4.99	HMP	469598	*		
<i>Escherichia</i> sp. 4_1_40B	4.93	HMP	457401	*	genus	Escherichia/Shigella
<i>Eubacterium bifforme</i> DSM 3989	2.52	HMP	518637		genus	Eubacterium
<i>Eubacterium cylindroides</i> T2-87	1.97	MetaHIT	717960	*	genus	Eubacterium
<i>Eubacterium dolichum</i> DSM 3991	2.19	HMP	428127	*	genus	Eubacterium
<i>Eubacterium eligens</i> ATCC 27750	2.14	NCBI	515620	*	family	Lachnospiraceae
<i>Eubacterium hallii</i> DSM 3353	3.29	HMP	411469	*	family	Lachnospiraceae
<i>Eubacterium rectale</i> ATCC 33656	3.45	NCBI	515619	*	genus	Roseburia
<i>Eubacterium rectale</i> DSM 17629	3.34	MetaHIT	657318	*	genus	Roseburia
<i>Eubacterium rectale</i> M104/1	3.7	MetaHIT	657317	*	genus	Roseburia
<i>Eubacterium saphenum</i> ATCC 49989	1.08	HMP	592031		genus	Eubacterium
<i>Eubacterium siraeum</i> 70/3	2.94	MetaHIT	657319	*		
<i>Eubacterium siraeum</i> DSM 15702	2.7	HMP	428128	*	family	Ruminococcaceae
<i>Eubacterium siraeum</i> V10Sc8a	2.84	MetaHIT	717961	*	family	Ruminococcaceae
<i>Eubacterium ventriosum</i> ATCC 27560	2.87	HMP	411463	*	family	Lachnospiraceae
<i>Exiguobacterium sibiricum</i> 255-15	3.03	NCBI	262543		genus	Exiguobacterium
<i>Exiguobacterium</i> sp. AT1b	3	NCBI	360911		genus	Exiguobacterium
<i>Faecalibacterium prausnitzii</i> A2-165	3.09	HMP	411483	*	genus	Faecalibacterium
<i>Faecalibacterium prausnitzii</i> L2-6	3.32	MetaHIT	718252	*		
<i>Faecalibacterium prausnitzii</i> M21/2	3.13	HMP	411485	*	genus	Faecalibacterium
<i>Faecalibacterium prausnitzii</i> SL3/3	3.21	MetaHIT	657322	*	genus	Faecalibacterium
<i>Ferroglobus placidus</i> DSM 10642	2.2	NCBI	589924		genus	Ferroglobus
<i>Fervidobacterium nodosum</i> Rt17-B1	1.95	NCBI	381764		genus	Fervidobacterium
<i>Fibrobacter succinogenes</i> subsp. <i>succinogenes</i> S85	3.84	NCBI	59374		genus	Fibrobacter
<i>Filifactor alocis</i> ATCC 35896	1.91	HMP	546269		genus	Filifactor
<i>Finegoldia magna</i> ATCC 29328	1.8	NCBI	334413	*	genus	Finegoldia
<i>Finegoldia magna</i> ATCC 53516	1.94	HMP	525282	*	genus	Finegoldia

<i>Flavobacteriaceae bacterium 3519-10</i>	2.77	NCBI	531844		genus	Chryseobacterium
<i>Flavobacterium johnsoniae</i> UW101	6.1	NCBI	376686		genus	Flavobacterium
<i>Flavobacterium psychrophilum</i> JIP02/86	2.86	NCBI	402612		genus	Flavobacterium
<i>Francisella novicida</i> U112	1.91	NCBI	401614		genus	Francisella
<i>Francisella philomiragia</i> subsp. <i>philomiragia</i> ATCC 25017	2.05	NCBI	484022		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>holarctica</i>	1.9	NCBI	119857		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>holarctica</i> FTNF002-00	1.89	NCBI	458234		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>holarctica</i> OSU18	1.9	NCBI	393011		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>mediasiatica</i> FSC147	1.89	NCBI	441952		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>tularensis</i> FSC198	1.89	NCBI	393115		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>tularensis</i> SCHU S4	1.89	NCBI	177416		genus	Francisella
<i>Francisella tularensis</i> subsp. <i>tularensis</i> WY96-3418	1.9	NCBI	418136		genus	Francisella
<i>Frankia alni</i> ACN14a	7.5	NCBI	326424		suborder	Frankineae
<i>Frankia</i> sp. <i>Ccl3</i>	5.43	NCBI	106370		suborder	Frankineae
<i>Frankia</i> sp. <i>EAN1pec</i>	8.98	NCBI	298653		suborder	Frankineae
<i>Fusobacterium gonidiaformans</i> ATCC 25563	1.71	HMP	469615	*	genus	Fusobacterium
<i>Fusobacterium mortiferum</i> ATCC 9817	2.69	HMP	469616	*	genus	Fusobacterium
<i>Fusobacterium nucleatum</i> subsp. <i>nucleatum</i> ATCC 23726	2.24	HMP	525283	*	genus	Fusobacterium
<i>Fusobacterium nucleatum</i> subsp. <i>nucleatum</i> ATCC 25586	2.17	NCBI	190304	*	genus	Fusobacterium
<i>Fusobacterium periodonticum</i> ATCC 33693	2.62	HMP	546275		genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>1_1_41FAA</i>	2.48	HMP	469621	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>2_1_31</i>	2.53	HMP	469599	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>3_1_27</i>	2.21	HMP	469602	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>3_1_33</i>	2.31	HMP	469603	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>3_1_36A2</i>	2.26	HMP	469604	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>3_1_5R</i>	1.93	HMP	469605	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>4_1_13</i>	2.27	HMP	469606	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>7_1</i>	2.51	HMP	457405	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>D11</i>	2.45	HMP	556264	*	genus	Fusobacterium
<i>Fusobacterium</i> sp. <i>D12</i>	2.13	HMP	556263	*	genus	Fusobacterium
<i>Fusobacterium ulcerans</i> ATCC 49185	3.5	HMP	469617	*	genus	Fusobacterium
<i>Fusobacterium varium</i> ATCC 27725	3.32	HMP	469618	*	genus	Fusobacterium
<i>Gardnerella vaginalis</i> 409-05	3.24	NCBI	553190		genus	Gardnerella
<i>Gardnerella vaginalis</i> ATCC 14019	1.69	HMP	525284		genus	Gardnerella
<i>Gemella haemolysans</i> ATCC 10379	1.89	HMP	546270		genus	Gemella
<i>Gemmatimonas aurantiaca</i> T-27	4.64	NCBI	379066		genus	Gemmatimonas

<i>Geobacillus kaustophilus</i> HTA426	3.54	NCBI	235909		genus	Geobacillus
<i>Geobacillus</i> sp. C56-T3	3.65	NCBI	691437		genus	Geobacillus
<i>Geobacillus</i> sp. WCH70	3.46	NCBI	471223		genus	Geobacillus
<i>Geobacillus</i> sp. Y412MC10	7.12	NCBI	481743		genus	Paenibacillus
<i>Geobacillus</i> sp. Y412MC61	3.62	NCBI	544556		genus	Geobacillus
<i>Geobacillus thermodenitrificans</i> NG80-2	3.55	NCBI	420246		genus	Geobacillus
<i>Geobacter bemidjiensis</i> Bem	4.62	NCBI	404380		genus	Geobacter
<i>Geobacter lovleyi</i> SZ	3.92	NCBI	398767		genus	Geobacter
<i>Geobacter metallireducens</i> GS-15	4	NCBI	269799		genus	Geobacter
<i>Geobacter</i> sp. FRC-32	4.3	NCBI	316067		genus	Geobacter
<i>Geobacter</i> sp. M21	4.75	NCBI	443144		genus	Geobacter
<i>Geobacter sulfurreducens</i> PCA	3.81	NCBI	243231		genus	Geobacter
<i>Geobacter uraniireducens</i> Rf4	5.14	NCBI	351605		genus	Geobacter
<i>Geodermatophilus obscurus</i> DSM 43160	5.32	NCBI	526225		genus	Geodermatophilus
<i>Gloeobacter violaceus</i> PCC 7421	4.66	NCBI	251221		class	Cyanobacteria
<i>Gluconacetobacter diazotrophicus</i> PAI 5	7.83	NCBI	272568		genus	Gluconacetobacter
<i>Gluconobacter oxydans</i> 621H	2.7	NCBI	290633		genus	Gluconobacter
<i>Gordonia bronchialis</i> DSM 43247	5.21	NCBI	526226		genus	Gordonia
<i>Gordonibacter pamelaiae</i> 7-10-1-b	3.61	MetaHIT	657308	*	genus	Gordonibacter
<i>Gramella forsetii</i> KT0803	3.8	NCBI	411154		genus	Gramella
<i>Granulibacter bethesdensis</i> CGDNIH1	2.71	NCBI	391165		genus	Granulibacter
<i>Granulicatella adiacens</i> ATCC 49175	1.95	HMP	638301		genus	Granulicatella
<i>Granulicatella elegans</i> ATCC 700633	1.9	HMP	626369		genus	Granulicatella
<i>Haemophilus ducreyi</i> 35000HP	1.7	NCBI	233412		genus	Haemophilus
<i>Haemophilus influenzae</i> 86-028NP	1.91	NCBI	281310		genus	Haemophilus
<i>Haemophilus influenzae</i> PittEE	1.81	NCBI	374930		genus	Haemophilus
<i>Haemophilus influenzae</i> PittGG	1.89	NCBI	374931		genus	Haemophilus
<i>Haemophilus influenzae</i> Rd KW20	1.83	NCBI	71421		genus	Haemophilus
<i>Haemophilus parasuis</i> SH0165	2.27	NCBI	557723		genus	Haemophilus
<i>Haemophilus somnus</i> 129PT	2.01	NCBI	205914		genus	Histophilus
<i>Haemophilus somnus</i> 2336	2.26	NCBI	228400		genus	Histophilus
<i>Hahella chejuensis</i> KCTC 2396	7.22	NCBI	349521		genus	Hahella
<i>Haliangium ochraceum</i> DSM 14365	9.45	NCBI	502025		genus	Haliangium
<i>Haloarcula marismortui</i> ATCC 43049	3.42	NCBI	272569		genus	Haloarcula
<i>Halobacterium salinarum</i> R1	2	NCBI	478009		genus	Halobacterium
<i>Halobacterium</i> sp. NRC-1	2.01	NCBI	64091		genus	Halobacterium
<i>Haloferax volcanii</i> DS2	2.85	NCBI	309800		genus	Haloferax
<i>Halomicrobium mukohataei</i> DSM 12286	3.11	NCBI	485914		genus	Halomicrobium
<i>Haloquadratum walsbyi</i> DSM 16790	3.13	NCBI	362976		genus	Haloquadratum
<i>Halorhabdus utahensis</i> DSM 12940	3.12	NCBI	519442		genus	Halorhabdus
<i>Halorhodospira halophila</i> SL1	2.68	NCBI	349124		genus	Halorhodospira

<i>Halorubrum lacusprofundi</i> ATCC 49239	3.26	NCBI	416348		genus	Halorubrum
<i>Haloterrigena turkmenica</i> DSM 5511	3.89	NCBI	543526		genus	Haloterrigena
<i>Halothermothrix orenii</i> H 168	2.58	NCBI	373903		genus	Halothermothrix
<i>Halothiobacillus neapolitanus</i> c2	2.58	NCBI	555778		genus	Halothiobacillus
<i>Helicobacter acinonychis</i> str. Sheeba	1.55	NCBI	382638		genus	Helicobacter
<i>Helicobacter bilis</i> ATCC 43879	2.6	HMP	613026	*	genus	Helicobacter
<i>Helicobacter canadensis</i> MIT 98-5491	1.63	HMP	537970	*	genus	Helicobacter
<i>Helicobacter cinaedi</i> CCUG 18818	2.21	HMP	537971	*	genus	Helicobacter
<i>Helicobacter hepaticus</i> ATCC 51449	1.8	NCBI	235279		genus	Helicobacter
<i>Helicobacter mustelae</i> 12198	1.58	NCBI	679897		genus	Helicobacter
<i>Helicobacter pullorum</i> MIT 98-5489	1.95	HMP	537972	*	genus	Helicobacter
<i>Helicobacter pylori</i> 26695	1.67	NCBI	85962	*	genus	Helicobacter
<i>Helicobacter pylori</i> B38	1.58	NCBI	592205	*	genus	Helicobacter
<i>Helicobacter pylori</i> B8	1.67	NCBI	693745	*	genus	Helicobacter
<i>Helicobacter pylori</i> G27	1.65	NCBI	563041	*	genus	Helicobacter
<i>Helicobacter pylori</i> HPAG1	1.6	NCBI	357544	*	genus	Helicobacter
<i>Helicobacter pylori</i> J99	1.64	NCBI	85963	*	genus	Helicobacter
<i>Helicobacter pylori</i> P12	1.67	NCBI	570508	*	genus	Helicobacter
<i>Helicobacter pylori</i> Shi470	1.61	NCBI	512562	*	genus	Helicobacter
<i>Helicobacter winghamensis</i> ATCC BAA-430	1.69	HMP	556267	*	genus	Helicobacter
<i>Heliobacterium modesticaldum</i> Ice1	3.08	NCBI	498761		genus	Heliobacterium
<i>Herminiimonas arsenicoxydans</i>	3.42	NCBI	204773		genus	Herminiimonas
<i>Herpetosiphon aurantiacus</i> ATCC 23779	6.35	NCBI	316274		genus	Herpetosiphon
<i>Hirschia baltica</i> ATCC 49814	3.46	NCBI	582402		genus	Hirschia
<i>Holdemania filiformis</i> DSM 12042	3.93	HMP	545696	*	genus	Holdemania
<i>Hydrogenobacter thermophilus</i> TK-6	1.74	NCBI	608538		genus	Hydrogenobacter
<i>Hydrogenobaculum</i> sp. Y04AAS1	1.56	NCBI	380749		genus	Hydrogenobaculum
<i>Hyperthermus butylicus</i> DSM 5456	1.67	NCBI	415426		genus	Hyperthermus
<i>Hyphomicrobium denitrificans</i> ATCC 51888	3.64	NCBI	582899		genus	Hyphomicrobium
<i>Hyphomonas neptunium</i> ATCC 15444	3.71	NCBI	228405		genus	Hyphomonas
<i>Idiomarina loihiensis</i> L2TR	2.84	NCBI	283942		genus	Idiomarina
<i>Ignicoccus hospitalis</i> KIN4/I	1.3	NCBI	453591		genus	Ignicoccus
<i>Jannaschia</i> sp. CCS1	4.32	NCBI	290400		family	Rhodobacteraceae
<i>Janthinobacterium</i> sp. Marseille	4.11	NCBI	375286		genus	Herminiimonas
<i>Jonesia denitrificans</i> DSM 20603	2.75	NCBI	471856		genus	Jonesia
<i>Jonquetella anthropi</i> E3_33 E1	1.79	HMP	645512		genus	Jonquetella
<i>Kangiella koreensis</i> DSM 16069	2.85	NCBI	523791		genus	Kangiella
<i>Kineococcus radiotolerans</i> SRS30216	4.76	NCBI	266940		genus	Kineococcus
<i>Kingella oralis</i> ATCC 51147	2.41	HMP	629741		genus	Kingella
<i>Klebsiella pneumoniae</i> 342	5.64	NCBI	507522		genus	Klebsiella
<i>Klebsiella pneumoniae</i> NTUH-K2044	5.25	NCBI	484021		genus	Klebsiella

<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> MGH 78578	5.32	NCBI	272620		genus	Klebsiella
<i>Klebsiella pneumoniae</i> subsp. <i>rhinoscleromatis</i> ATCC 13884	5.45	HMP	667127		genus	Klebsiella
<i>Klebsiella</i> sp. 1_1_55	5.46	HMP	469608	*	genus	Klebsiella
<i>Klebsiella variicola</i> At-22	5.46	NCBI	640131		genus	Klebsiella
<i>Kocuria rhizophila</i> DC2201	2.7	NCBI	378753		genus	Kocuria
<i>Kosmotoga olearia</i> TBF 19.5.1	2.3	NCBI	521045		genus	Kosmotoga
<i>Kribbella flavida</i> DSM 17836	7.58	NCBI	479435		genus	Kribbella
<i>Kytococcus sedentarius</i> DSM 20547	2.79	NCBI	478801		genus	Kytococcus
<i>Lactobacillus acidophilus</i> ATCC 4796	2.02	HMP	525306	*	genus	Lactobacillus
<i>Lactobacillus acidophilus</i> NCFM	1.99	NCBI	272621	*	genus	Lactobacillus
<i>Lactobacillus amylolyticus</i> DSM 11664	1.54	HMP	585524	*	genus	Lactobacillus
<i>Lactobacillus antri</i> DSM 16041	2.3	HMP	525309	*	genus	Lactobacillus
<i>Lactobacillus brevis</i> ATCC 367	2.29	NCBI	387344	*	genus	Lactobacillus
<i>Lactobacillus brevis</i> subsp. <i>gravesensis</i> ATCC 27305	3.14	HMP	525310	*	genus	Lactobacillus
<i>Lactobacillus buchneri</i> ATCC 11577	2.91	HMP	525318	*	genus	Lactobacillus
<i>Lactobacillus casei</i> ATCC 334	2.9	NCBI	321967	*	genus	Lactobacillus
<i>Lactobacillus casei</i> BL23	3.08	NCBI	543734	*	genus	Lactobacillus
<i>Lactobacillus coleohominis</i> 101-4-CHN	1.73	HMP	575594		genus	Lactobacillus
<i>Lactobacillus crispatus</i> 125-2-CHN	2.31	HMP	575595	*	genus	Lactobacillus
<i>Lactobacillus crispatus</i> 214-1	2.07	HMP	679188	*	genus	Lactobacillus
<i>Lactobacillus crispatus</i> JV-V01	2.22	HMP	491076	*	genus	Lactobacillus
<i>Lactobacillus crispatus</i> MV-1A-US	2.31	HMP	575596	*	genus	Lactobacillus
<i>Lactobacillus crispatus</i> MV-3A-US	2.44	HMP	575597	*	genus	Lactobacillus
<i>Lactobacillus crispatus</i> ST1	2.04	NCBI	748671	*	genus	Lactobacillus
<i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> ATCC 11842	1.86	NCBI	390333	*	genus	Lactobacillus
<i>Lactobacillus delbrueckii</i> subsp. <i>bulgaricus</i> ATCC BAA-365	1.86	NCBI	321956	*	genus	Lactobacillus
<i>Lactobacillus fermentum</i> 28-3-CHN	2.03	HMP	575599	*	genus	Lactobacillus
<i>Lactobacillus fermentum</i> ATCC 14931	1.87	HMP	525325	*	genus	Lactobacillus
<i>Lactobacillus fermentum</i> IFO 3956	2.1	NCBI	334390	*	genus	Lactobacillus
<i>Lactobacillus gasseri</i> 202-4	1.82	HMP	630527		genus	Lactobacillus
<i>Lactobacillus gasseri</i> 224-1	2.01	HMP	679196		genus	Lactobacillus
<i>Lactobacillus gasseri</i> ATCC 33323	1.89	NCBI	324831	*	genus	Lactobacillus
<i>Lactobacillus gasseri</i> JV-V03	2.01	HMP	525326		genus	Lactobacillus
<i>Lactobacillus gasseri</i> MV-22	1.93	HMP	559301		genus	Lactobacillus
<i>Lactobacillus helveticus</i> DPC 4571	2.08	NCBI	405566	*	genus	Lactobacillus
<i>Lactobacillus helveticus</i> DSM 20075	2.02	HMP	585520	*	genus	Lactobacillus
<i>Lactobacillus hilgardii</i> ATCC 8290	2.72	HMP	525327	*	genus	Lactobacillus
<i>Lactobacillus iners</i> DSM 13335	1.28	HMP	525328		genus	Lactobacillus

<i>Lactobacillus jensenii</i> 1153	1.76	HMP	440497		genus	Lactobacillus
<i>Lactobacillus jensenii</i> 115-3-CHN	1.65	HMP	575605		genus	Lactobacillus
<i>Lactobacillus jensenii</i> 208-1	3.33	HMP	596326		genus	Lactobacillus
<i>Lactobacillus jensenii</i> 269-3	1.69	HMP	596325		genus	Lactobacillus
<i>Lactobacillus jensenii</i> 27-2-CHN	1.66	HMP	575606		genus	Lactobacillus
<i>Lactobacillus jensenii</i> JV-V16	1.59	HMP	525329		genus	Lactobacillus
<i>Lactobacillus jensenii</i> SJ-7A-US	1.72	HMP	575607		genus	Lactobacillus
<i>Lactobacillus johnsonii</i> ATCC 33200	1.78	HMP	525330		genus	Lactobacillus
<i>Lactobacillus johnsonii</i> FI9785	1.76	NCBI	633699		genus	Lactobacillus
<i>Lactobacillus johnsonii</i> NCC 533	1.99	NCBI	257314	*	genus	Lactobacillus
<i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> 8700:2	3	HMP	537973	*	genus	Lactobacillus
<i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> ATCC 25302	2.99	HMP	525337	*	genus	Lactobacillus
<i>Lactobacillus plantarum</i> JDM1	3.2	NCBI	644042	*	genus	Lactobacillus
<i>Lactobacillus plantarum</i> subsp. <i>plantarum</i> ATCC 14917	3.25	HMP	525338	*	genus	Lactobacillus
<i>Lactobacillus plantarum</i> WCFS1	3.31	NCBI	220668	*	genus	Lactobacillus
<i>Lactobacillus reuteri</i> CF48-3A	2.11	HMP	525341	*	genus	Lactobacillus
<i>Lactobacillus reuteri</i> DSM 20016	2	NCBI	557436	*	genus	Lactobacillus
<i>Lactobacillus reuteri</i> JCM 1112	2.04	NCBI	557433	*	genus	Lactobacillus
<i>Lactobacillus reuteri</i> MM2-3	2.02	HMP	585517	*	genus	Lactobacillus
<i>Lactobacillus reuteri</i> MM4-1A	1.97	HMP	548485	*	genus	Lactobacillus
<i>Lactobacillus reuteri</i> SD2112	2.2	HMP	491077	*	genus	Lactobacillus
<i>Lactobacillus rhamnosus</i> GG	6.02	NCBI	568703	*	genus	Lactobacillus
<i>Lactobacillus rhamnosus</i> Lc 705	2.97	NCBI	568704	*	genus	Lactobacillus
<i>Lactobacillus rhamnosus</i> LMS2-1	3.16	HMP	525361	*	genus	Lactobacillus
<i>Lactobacillus ruminis</i> ATCC 25644	2.16	HMP	525362	*	genus	Lactobacillus
<i>Lactobacillus sakei</i> subsp. <i>sakei</i> 23K	1.88	NCBI	314315	*	genus	Lactobacillus
<i>Lactobacillus salivarius</i> ATCC 11741	2.02	HMP	525364	*	genus	Lactobacillus
<i>Lactobacillus salivarius</i> UCC118	1.83	NCBI	362948	*	genus	Lactobacillus
<i>Lactobacillus ultunensis</i> DSM 16047	2.25	HMP	525365	*	genus	Lactobacillus
<i>Lactobacillus vaginalis</i> ATCC 49540	1.88	HMP	525366		genus	Lactobacillus
<i>Lactococcus lactis</i> subsp. <i>cremoris</i> MG1363	2.53	NCBI	416870		genus	Lactococcus
<i>Lactococcus lactis</i> subsp. <i>cremoris</i> SK11	2.44	NCBI	272622		genus	Lactococcus
<i>Lactococcus lactis</i> subsp. <i>lactis</i> II1403	2.37	NCBI	272623		genus	Lactococcus
<i>Lactococcus lactis</i> subsp. <i>lactis</i> KF147	2.6	NCBI	684738		genus	Lactococcus
<i>Laribacter hongkongensis</i> HLHK9	3.17	NCBI	557598		genus	Laribacter
<i>Lawsonia intracellularis</i> PHE/MN1-00	1.46	NCBI	363253		genus	Lawsonia
<i>Legionella longbeachae</i> NSW150	4.08	NCBI	661367		genus	Legionella
<i>Legionella pneumophila</i> 2300/99 Alcoy	3.52	NCBI	423212		genus	Legionella
<i>Legionella pneumophila</i> str. Corby	3.58	NCBI	400673		genus	Legionella

<i>Legionella pneumophila</i> str. Lens	3.35	NCBI	297245		genus	Legionella
<i>Legionella pneumophila</i> str. Paris	3.5	NCBI	297246		genus	Legionella
<i>Legionella pneumophila</i> subsp. <i>pneumophila</i> str. Philadelphia 1	3.4	NCBI	272624		genus	Legionella
<i>Leifsonia xyli</i> subsp. <i>xyli</i> str. CTCB07	2.58	NCBI	281090		genus	Leifsonia
<i>Leptospira biflexa</i> serovar Patoc strain 'Patoc 1 (Ames)'	3.88	NCBI	355278		genus	Leptospira
<i>Leptospira biflexa</i> serovar Patoc strain 'Patoc 1 (Paris)'	3.88	NCBI	456481		genus	Leptospira
<i>Leptospira borgpetersenii</i> serovar Hardjo- <i>bovis</i> JB197	3.88	NCBI	355277		genus	Leptospira
<i>Leptospira borgpetersenii</i> serovar Hardjo- <i>bovis</i> L550	3.93	NCBI	355276		genus	Leptospira
<i>Leptospira interrogans</i> serovar Copenhageni str. Fiocruz L1-130	4.63	NCBI	267671		genus	Leptospira
<i>Leptospira interrogans</i> serovar Lai str. 56601	4.7	NCBI	189518		genus	Leptospira
<i>Leptothrix cholodnii</i> SP-6	4.91	NCBI	395495		genus	Leptothrix
<i>Leptotrichia buccalis</i> C-1013-b	2.47	NCBI	523794		genus	Leptotrichia
<i>Leptotrichia goodfellowii</i> F0264	2.29	HMP	596323		genus	Leptotrichia
<i>Leptotrichia hofstadii</i> F0254	2.46	HMP	634994		genus	Leptotrichia
<i>Leuconostoc citreum</i> KM20	1.8	NCBI	349519		genus	Leuconostoc
<i>Leuconostoc kimchii</i> IMSNU 11154	2	NCBI	762051		genus	Leuconostoc
<i>Leuconostoc mesenteroides</i> subsp. <i>cremoris</i> ATCC 19254	1.74	HMP	586220	*	genus	Leuconostoc
<i>Leuconostoc mesenteroides</i> subsp. <i>mesenteroides</i> ATCC 8293	2.04	NCBI	203120	*	genus	Leuconostoc
<i>Listeria grayi</i> DSM 20601	2.59	HMP	525367	*	genus	Listeria
<i>Listeria innocua</i> Clip11262	3.01	NCBI	272626	*	genus	Listeria
<i>Listeria monocytogenes</i> 08-5578	3.03	NCBI	653938		genus	Listeria
<i>Listeria monocytogenes</i> 08-5923	3	NCBI	637381		genus	Listeria
<i>Listeria monocytogenes</i> Clip80459	2.91	NCBI	634178		genus	Listeria
<i>Listeria monocytogenes</i> EGD-e	2.94	NCBI	169963		genus	Listeria
<i>Listeria monocytogenes</i> HCC23	2.98	NCBI	552536		genus	Listeria
<i>Listeria monocytogenes</i> str. 4b F2365	2.91	NCBI	265669		genus	Listeria
<i>Listeria seeligeri</i> serovar 1/2b str. SLCC3954	2.8	NCBI	683837		genus	Listeria
<i>Listeria welshimeri</i> serovar 6b str. SLCC5334	2.81	NCBI	386043		genus	Listeria
<i>Lysinibacillus sphaericus</i> C3-41	4.64	NCBI	444177		genus	Lysinibacillus
<i>Macrococcus caseolyticus</i> JCSC5402	2.1	NCBI	458233		genus	Macrococcus
<i>Magnetococcus</i> sp. MC-1	4.72	NCBI	156889		phylum	Proteobacteria
<i>Magnetospirillum magneticum</i> AMB-1	4.97	NCBI	342108		genus	Magnetospirillum
<i>Mannheimia succiniciproducens</i> MBEL55E	2.31	NCBI	221988	*	family	Pasteurellaceae
<i>Maricaulis maris</i> MCS10	3.37	NCBI	394221		genus	Maricaulis
<i>Marinobacter aquaeolei</i> VT8	4.33	NCBI	351348		genus	Marinobacter
<i>Marinomonas</i> sp. MWYL1	5.1	NCBI	400668		genus	Marinomonas

<i>Megamonas hypermegale</i> ART12/1	2.21	MetaHIT	657316	*		
<i>Megasphaera genomosp. type_1 str. 28L</i>	1.73	HMP	699218		genus	Megasphaera
<i>Meiothermus ruber</i> DSM 1279	3.1	NCBI	504728		genus	Meiothermus
<i>Meiothermus silvanus</i> DSM 9946	3.25	NCBI	526227		genus	Meiothermus
<i>Mesoplasma florum</i> L1	0.79	NCBI	265311		genus	Mesoplasma
<i>Mesorhizobium loti</i> MAFF303099	7.04	NCBI	266835		genus	Mesorhizobium
<i>Metallosphaera sedula</i> DSM 5348	2.19	NCBI	399549		genus	Metallosphaera
<i>Methanobrevibacter ruminantium</i> M1	2.94	NCBI	634498		genus	Methanobrevibacter
<i>Methanobrevibacter smithii</i> ATCC 35061	1.85	NCBI	420247	*	genus	Methanobrevibacter
<i>Methanobrevibacter smithii</i> DSM 2374	1.73	HMP	521002	*	genus	Methanobrevibacter
<i>Methanobrevibacter smithii</i> DSM 2375	1.71	HMP	483214	*	genus	Methanobrevibacter
<i>Methanocaldococcus fervens</i> AG86	1.49	NCBI	573064		genus	Methanocaldococcus
<i>Methanocaldococcus infernus</i> ME	1.33	NCBI	573063		genus	Methanocaldococcus
<i>Methanocaldococcus jannaschii</i> DSM 2661	1.66	NCBI	243232		genus	Methanocaldococcus
<i>Methanocaldococcus sp. FS406-22</i>	1.76	NCBI	644281		genus	Methanocaldococcus
<i>Methanocaldococcus vulcanius</i> M7	1.75	NCBI	579137		genus	Methanocaldococcus
<i>Methanocella paludicola</i> SANA E	2.96	NCBI	304371		genus	Methanocella
<i>Methanococcoides burtonii</i> DSM 6242	2.58	NCBI	259564		genus	Methanococcoides
<i>Methanococcus aeolicus</i> Nankai-3	1.57	NCBI	419665		genus	Methanococcus
<i>Methanococcus maripaludis</i> C5	1.78	NCBI	402880		genus	Methanococcus
<i>Methanococcus maripaludis</i> C6	1.74	NCBI	444158		genus	Methanococcus
<i>Methanococcus maripaludis</i> C7	1.77	NCBI	426368		genus	Methanococcus
<i>Methanococcus maripaludis</i> S2	1.66	NCBI	267377		genus	Methanococcus
<i>Methanococcus vannielii</i> SB	1.72	NCBI	406327		genus	Methanococcus
<i>Methanococcus voltae</i> A3	1.94	NCBI	456320		genus	Methanococcus
<i>Methanocorpusculum labreanum</i> Z	1.8	NCBI	410358		genus	Methanocorpusculum
<i>Methanoculleus marisnigri</i> JR1	2.48	NCBI	368407		genus	Methanoculleus
<i>Methanohalobium evestigatum</i> Z-7303	2.24	NCBI	644295		family	Methanosarcinaceae
<i>Methanohalophilus mahii</i> DSM 5219	2.01	NCBI	547558		genus	Methanohalophilus
<i>Methanopyrus kandleri</i> AV19	1.69	NCBI	190192		genus	Methanopyrus
<i>Methanosaeta thermophila</i> PT	1.88	NCBI	349307		genus	Methanosaeta
<i>Methanosarcina acetivorans</i> C2A	5.75	NCBI	188937		genus	Methanosarcina
<i>Methanosarcina barkeri</i> str. Fusaro	4.84	NCBI	269797		genus	Methanosarcina
<i>Methanosarcina mazei</i> Go1	4.1	NCBI	192952		genus	Methanosarcina
<i>Methanosphaera stadtmanae</i> DSM 3091	1.77	NCBI	339860	*	genus	Methanosphaera
<i>Methanosphaerula palustris</i> E1-9c	2.92	NCBI	521011		genus	Methanosphaerula
<i>Methanospirillum hungatei</i> JF-1	3.54	NCBI	323259		genus	Methanospirillum
<i>Methanothermobacter thermautotrophicus</i> str. Delta H	1.75	NCBI	187420		genus	Methanothermobacter
<i>Methylacidiphilum infernorum</i> V4	2.29	NCBI	481448		phylum	Verrucomicrobia
<i>Methylibium petroleiphilum</i> PM1	4.04	NCBI	420662		genus	Methylibium

<i>Methylobacillus flagellatus</i> KT	2.97	NCBI	265072		genus	Methylobacillus
<i>Methylobacterium chloromethanicum</i> CM4	5.78	NCBI	440085		genus	Methylobacterium
<i>Methylobacterium extorquens</i> AM1	5.51	NCBI	272630		genus	Methylobacterium
<i>Methylobacterium extorquens</i> DM4	5.94	NCBI	661410		genus	Methylobacterium
<i>Methylobacterium extorquens</i> PA1	5.47	NCBI	419610		genus	Methylobacterium
<i>Methylobacterium nodulans</i> ORS 2060	7.77	NCBI	460265		genus	Methylobacterium
<i>Methylobacterium populi</i> BJ001	5.8	NCBI	441620		genus	Methylobacterium
<i>Methylobacterium radiotolerans</i> JCM 2831	6.08	NCBI	426355		genus	Methylobacterium
<i>Methylobacterium</i> sp. 4-46	7.66	NCBI	426117		genus	Methylobacterium
<i>Methylocella silvestris</i> BL2	4.31	NCBI	395965		genus	Methylocella
<i>Methylococcus capsulatus</i> str. Bath	3.3	NCBI	243233		genus	Methylococcus
<i>Methylotenera mobilis</i> JLW8	2.55	NCBI	583345		genus	Methylotenera
<i>Methylotenera</i> sp. 301	3.06	NCBI	666681		family	Methylophilaceae
<i>Methylovorus</i> sp. SIP3-4	3	NCBI	582744		genus	Methylovorus
<i>Micrococcus luteus</i> NCTC 2665	2.5	NCBI	465515		genus	Micrococcus
<i>Micrococcus luteus</i> SK58	2.31	HMP	596312		genus	Micrococcus
<i>Microcystis aeruginosa</i> NIES-843	5.84	NCBI	449447		genus	Cyanobacteria GpXI
<i>Mitsuokella multacida</i> DSM 20544	2.58	HMP	500635	*	genus	Mitsuokella
<i>Mobiluncus curtisii</i> ATCC 43063	4.33	NCBI	548479		genus	Mobiluncus
<i>Mobiluncus mulieris</i> 28-1	2.45	HMP	596328		genus	Mobiluncus
<i>Mobiluncus mulieris</i> ATCC 35243	2.44	HMP	585199		genus	Mobiluncus
<i>Mollicutes bacterium</i> D7	3.56	HMP	556270		genus	Coprobacillus
<i>Moorella thermoacetica</i> ATCC 39073	2.63	NCBI	264732		genus	Moorella
<i>Moraxella catarrhalis</i> RH4	1.86	NCBI	749219		genus	Moraxella
<i>Mycobacterium abscessus</i> ATCC 19977	5.07	NCBI	561007		genus	Mycobacterium
<i>Mycobacterium avium</i> 104	5.48	NCBI	243243		genus	Mycobacterium
<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> K-10	4.83	NCBI	262316		genus	Mycobacterium
<i>Mycobacterium bovis</i> AF2122/97	4.35	NCBI	233413		genus	Mycobacterium
<i>Mycobacterium bovis</i> BCG str. <i>Pasteur</i> 1173P2	4.37	NCBI	410289		genus	Mycobacterium
<i>Mycobacterium bovis</i> BCG str. <i>Tokyo</i> 172	4.37	NCBI	561275		genus	Mycobacterium
<i>Mycobacterium gilvum</i> PYR-GCK	5.62	NCBI	350054		genus	Mycobacterium
<i>Mycobacterium leprae</i> Br4923	2.67	NCBI	561304		genus	Mycobacterium
<i>Mycobacterium leprae</i> TN	3.27	NCBI	272631		genus	Mycobacterium
<i>Mycobacterium marinum</i> M	6.64	NCBI	216594		genus	Mycobacterium
<i>Mycobacterium parascrofulaceum</i> ATCC BAA-614	6.56	HMP	525368		genus	Mycobacterium
<i>Mycobacterium smegmatis</i> str. MC2 155	6.99	NCBI	246196		genus	Mycobacterium
<i>Mycobacterium</i> sp. JLS	6.05	NCBI	164757		genus	Mycobacterium
<i>Mycobacterium</i> sp. KMS	5.74	NCBI	189918		genus	Mycobacterium
<i>Mycobacterium</i> sp. MCS	5.71	NCBI	164756		genus	Mycobacterium

<i>Mycobacterium tuberculosis</i> CDC1551	4.4	NCBI	83331		genus	Mycobacterium
<i>Mycobacterium tuberculosis</i> F11	4.42	NCBI	336982		genus	Mycobacterium
<i>Mycobacterium tuberculosis</i> H37Ra	4.42	NCBI	419947		genus	Mycobacterium
<i>Mycobacterium tuberculosis</i> H37Rv	4.41	NCBI	83332		genus	Mycobacterium
<i>Mycobacterium tuberculosis</i> KZN 1435	4.4	NCBI	478434		genus	Mycobacterium
<i>Mycobacterium ulcerans</i> Agy99	5.63	NCBI	362242		genus	Mycobacterium
<i>Mycobacterium vanbaalenii</i> PYR-1	6.49	NCBI	350058		genus	Mycobacterium
<i>Mycoplasma agalactiae</i>	1.01	NCBI	2110		genus	Mycoplasma
<i>Mycoplasma agalactiae</i> PG2	0.88	NCBI	347257		genus	Mycoplasma
<i>Mycoplasma arthritidis</i> 158L3-1	0.82	NCBI	243272		genus	Mycoplasma
<i>Mycoplasma capricolum</i> subsp. <i>capricolum</i> ATCC 27343	1.01	NCBI	340047		family	Entomoplasmataceae
<i>Mycoplasma conjunctivae</i> HRC/581	0.85	NCBI	572263		genus	Mycoplasma
<i>Mycoplasma crocodyli</i> MP145	0.93	NCBI	512564		genus	Mycoplasma
<i>Mycoplasma gallisepticum</i> str. <i>R(low)</i>	1.01	NCBI	710127		genus	Mycoplasma
<i>Mycoplasma genitalium</i> G37	0.58	NCBI	243273		genus	Mycoplasma
<i>Mycoplasma hominis</i>	0.67	NCBI	2098	*	genus	Mycoplasma
<i>Mycoplasma hyopneumoniae</i> 232	0.89	NCBI	295358		genus	Mycoplasma
<i>Mycoplasma hyopneumoniae</i> 7448	0.92	NCBI	262722		genus	Mycoplasma
<i>Mycoplasma hyopneumoniae</i> J	0.9	NCBI	262719		genus	Mycoplasma
<i>Mycoplasma mobile</i> 163K	0.78	NCBI	267748		genus	Mycoplasma
<i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> SC str. PG1	1.21	NCBI	272632		family	Entomoplasmataceae
<i>Mycoplasma penetrans</i> HF-2	1.36	NCBI	272633		genus	Mycoplasma
<i>Mycoplasma pneumoniae</i> M129	0.82	NCBI	272634		genus	Mycoplasma
<i>Mycoplasma pulmonis</i> UAB CTIP	0.96	NCBI	272635		genus	Mycoplasma
<i>Mycoplasma synoviae</i> 53	0.8	NCBI	262723		genus	Mycoplasma
<i>Myxococcus xanthus</i> DK 1622	9.14	NCBI	246197		genus	Myxococcus
<i>Nakamurella multipartita</i> DSM 44233	6.06	NCBI	479431		genus	Nakamurella
<i>Nanoarchaeum equitans</i> Kin4-M	0.49	NCBI	228908		genus	Nanoarchaeum
<i>Natranaerobius thermophilus</i> JW/NM-WN-LF	3.17	NCBI	457570		genus	Natranaerobius
<i>Natrialba magadii</i> ATCC 43099	3.75	NCBI	547559		genus	Natrialba
<i>Natronomonas pharaonis</i> DSM 2160	2.6	NCBI	348780		genus	Natronomonas
<i>Nautilia profundicola</i> AmH	1.68	NCBI	598659		genus	Nautilia
<i>Neisseria cinerea</i> ATCC 14685	1.87	HMP	546262		genus	Neisseria
<i>Neisseria elongata</i> subsp. <i>glycolytica</i> ATCC 29315	2.34	HMP	546263		genus	Neisseria
<i>Neisseria flavescens</i> NRL30031/H210	2.21	HMP	546264		genus	Neisseria
<i>Neisseria flavescens</i> SK114	2.2	HMP	596320		genus	Neisseria
<i>Neisseria gonorrhoeae</i> FA 1090	2.15	NCBI	242231		genus	Neisseria
<i>Neisseria gonorrhoeae</i> NCCP11945	2.23	NCBI	521006		genus	Neisseria
<i>Neisseria lactamica</i> ATCC 23970	2.17	HMP	546265			

<i>Neisseria meningitidis</i> 053442	2.15	NCBI	374833		genus	<i>Neisseria</i>
<i>Neisseria meningitidis</i> alpha14	2.15	NCBI	662598		genus	<i>Neisseria</i>
<i>Neisseria meningitidis</i> FAM18	2.19	NCBI	272831		genus	<i>Neisseria</i>
<i>Neisseria meningitidis</i> MC58	2.27	NCBI	122586		genus	<i>Neisseria</i>
<i>Neisseria meningitidis</i> Z2491	2.18	NCBI	122587		genus	<i>Neisseria</i>
<i>Neisseria mucosa</i> ATCC 25996	2.58	HMP	546266		genus	<i>Neisseria</i>
<i>Neisseria polysaccharea</i> ATCC 43768	2.03	HMP	546267		genus	<i>Neisseria</i>
<i>Neisseria sicca</i> ATCC 29256	2.83	HMP	547045		genus	<i>Neisseria</i>
<i>Neisseria subflava</i> NJ9703	2.29	HMP	546268		genus	<i>Neisseria</i>
<i>Neorickettsia risticii</i> str. Illinois	0.88	NCBI	434131		genus	<i>Neorickettsia</i>
<i>Neorickettsia sennetsu</i> str. Miyayama	0.86	NCBI	222891		genus	<i>Neorickettsia</i>
<i>Nitratiruptor</i> sp. SB155-2	1.88	NCBI	387092		genus	<i>Nitratiruptor</i>
<i>Nitrobacter hamburgensis</i> X14	4.41	NCBI	323097		genus	<i>Nitrobacter</i>
<i>Nitrobacter winogradskyi</i> Nb-255	3.4	NCBI	323098		genus	<i>Nitrobacter</i>
<i>Nitrosococcus halophilus</i> Nc4	4.08	NCBI	472759		genus	<i>Nitrosococcus</i>
<i>Nitrosococcus oceani</i> ATCC 19707	3.48	NCBI	323261		genus	<i>Nitrosococcus</i>
<i>Nitrosococcus watsoni</i> C-113	3.33	NCBI	105559		genus	<i>Nitrosococcus</i>
<i>Nitrosomonas europaea</i> ATCC 19718	2.81	NCBI	228410		genus	<i>Nitrosomonas</i>
<i>Nitrosomonas eutropha</i> C91	2.66	NCBI	335283		genus	<i>Nitrosomonas</i>
<i>Nitrosopumilus maritimus</i> SCM1	1.65	NCBI	436308		class	Thermoprotei
<i>Nitrospira multififormis</i> ATCC 25196	3.18	NCBI	323848		genus	<i>Nitrospira</i>
<i>Nocardia farcinica</i> IFM 10152	6.02	NCBI	247156		genus	<i>Nocardia</i>
<i>Nocardioides</i> sp. JS614	4.99	NCBI	196162		genus	<i>Nocardioides</i>
<i>Nocardiopsis dassonvillei</i> subsp. <i>dassonvillei</i> DSM 43111	5.77	NCBI	446468		genus	<i>Nocardiopsis</i>
' <i>Nostoc azollae</i> ' 0708	5.35	NCBI	551115		genus	Cyanobacteria Gpl
<i>Nostoc punctiforme</i> PCC 73102	8.23	NCBI	63737		genus	Cyanobacteria Gpl
<i>Nostoc</i> sp. PCC 7120	6.41	NCBI	103690		genus	Cyanobacteria Gpl
<i>Novosphingobium aromaticivorans</i> DSM 12444	3.56	NCBI	279238		genus	<i>Novosphingobium</i>
<i>Oceanobacillus ihayensis</i> HTE831	3.63	NCBI	221109		genus	<i>Oceanobacillus</i>
<i>Ochrobactrum anthropi</i> ATCC 49188	4.78	NCBI	439375		genus	<i>Ochrobactrum</i>
<i>Oenococcus oeni</i> PSU-1	1.78	NCBI	203123		genus	<i>Oenococcus</i>
<i>Oligotropha carboxidovorans</i> OM5	3.75	NCBI	504832		genus	Afipia
<i>Onion yellows phytoplasma</i> OY-M	0.85	NCBI	262768		genus	Acholeplasma
<i>Opitutus terrae</i> PB90-1	5.96	NCBI	452637		genus	<i>Opitutus</i>
<i>Oribacterium sinus</i> F0268	2.71	HMP	585501		genus	<i>Oribacterium</i>
<i>Oribacterium</i> sp. oral taxon 078 str. F0262	2.68	HMP	608534		genus	<i>Oribacterium</i>
<i>Orientia tsutsugamushi</i> str. Boryong	2.13	NCBI	357244		genus	<i>Orientia</i>
<i>Orientia tsutsugamushi</i> str. Ikeda	2.01	NCBI	334380		genus	<i>Orientia</i>
<i>Oxalobacter formigenes</i> HOxBLS	2.51	HMP	556268	*	genus	<i>Oxalobacter</i>

<i>Oxalobacter formigenes</i> OXCC13	2.44	HMP	556269	*	genus	Oxalobacter
<i>Paenibacillus</i> sp. JDR-2	7.18	NCBI	324057		genus	Paenibacillus
<i>Paenibacillus</i> sp. oral taxon 786 str. D14	5.1	HMP	621372		genus	Paenibacillus
<i>Pantoea ananatis</i> LMG 20103	4.69	NCBI	706191		genus	Pantoea
<i>Parabacteroides distasonis</i> ATCC 8503	4.81	NCBI	435591	*	genus	Parabacteroides
<i>Parabacteroides johnsonii</i> DSM 18315	4.79	HMP	537006	*	genus	Parabacteroides
<i>Parabacteroides merdae</i> ATCC 43184	4.43	HMP	411477	*	genus	Parabacteroides
<i>Parabacteroides</i> sp. D13	5.37	HMP	563193	*	genus	Parabacteroides
<i>Paracoccus denitrificans</i> PD1222	4.58	NCBI	318586		genus	Paracoccus
<i>Parascardovia denticolens</i> F0305	1.9	HMP	641144		genus	Parascardovia
<i>Parvibaculum lavamentivorans</i> DS-1	3.91	NCBI	402881		genus	Parvibaculum
<i>Parvimonas micra</i> ATCC 33270	1.7	HMP	411465	*	genus	Parvimonas
<i>Pasteurella dagmatis</i> ATCC 43325	2.26	HMP	667128		genus	Pasteurella
<i>Pasteurella multocida</i> subsp. <i>multocida</i> str. Pm70	2.26	NCBI	272843		genus	Pasteurella
<i>Pectobacterium atrosepticum</i> SCRI1043	5.06	NCBI	218491		genus	Pectobacterium
<i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> PC1	4.86	NCBI	561230		genus	Serratia
<i>Pectobacterium wasabiae</i> WPP163	5.06	NCBI	561231		genus	Pectobacterium
<i>Pediococcus acidilactici</i> 7_4	2.02	HMP	563194	*	genus	Pediococcus
<i>Pediococcus pentosaceus</i> ATCC 25745	1.83	NCBI	278197		genus	Pediococcus
<i>Pedobacter heparinus</i> DSM 2366	5.17	NCBI	485917		genus	Pedobacter
<i>Pelobacter carbinolicus</i> DSM 2380	3.67	NCBI	338963		genus	Pelobacter
<i>Pelobacter propionicus</i> DSM 2379	4.01	NCBI	338966		genus	Pelobacter
<i>Pelodictyon phaeoclathratiforme</i> BU-1	3.02	NCBI	324925		genus	Chlorobium
<i>Pelotomaculum thermopropionicum</i> SI	3.03	NCBI	370438		genus	Pelotomaculum
<i>Peptoniphilus lacrimalis</i> 315-B	1.7	HMP	596330		genus	Peptoniphilus
<i>Peptostreptococcus anaerobius</i> 653-L	2.08	HMP	596329		genus	Peptostreptococcus
<i>Persephonella marina</i> EX-H1	1.93	NCBI	123214		genus	Persephonella
<i>Petrotoga mobilis</i> SJ95	2.17	NCBI	403833		genus	Petrotoga
<i>Phenylobacterium zucineum</i> HLK1	4	NCBI	450851		genus	Phenylobacterium
<i>Photobacterium profundum</i> SS9	6.32	NCBI	298386		genus	Photobacterium
<i>Photorhabdus asymbiotica</i>	5.06	NCBI	291112		genus	Photorhabdus
<i>Photorhabdus luminescens</i> subsp. <i>laumondii</i> TTO1	5.69	NCBI	243265		genus	Photorhabdus
<i>Picrophilus torridus</i> DSM 9790	1.55	NCBI	263820		genus	Picrophilus
<i>Pirellula staleyi</i> DSM 6068	6.2	NCBI	530564		genus	Pirellula
<i>Planctomyces limnophilus</i> DSM 3776	5.42	NCBI	521674		genus	Planctomyces
<i>Polaromonas naphthalenivorans</i> CJ2	4.41	NCBI	365044		genus	Polaromonas
<i>Polaromonas</i> sp. JS666	5.2	NCBI	296591		genus	Polaromonas
<i>Polynucleobacter necessarius</i> subsp. <i>asymbioticus</i> QLW-P1DMWA-1	2.16	NCBI	312153		genus	Polynucleobacter

<i>Polynucleobacter necessarius</i> subsp. <i>necessarius</i> STIR1	1.56	NCBI	452638		genus	Polynucleobacter
<i>Porphyromonas endodontalis</i> ATCC 35406	2.06	HMP	553175		genus	Porphyromonas
<i>Porphyromonas gingivalis</i> ATCC 33277	2.35	NCBI	431947	*	genus	Porphyromonas
<i>Porphyromonas gingivalis</i> W83	2.34	NCBI	242619	*	genus	Porphyromonas
<i>Porphyromonas uenonis</i> 60-3	2.24	HMP	596327		genus	Porphyromonas
<i>Prevotella bergensis</i> DSM 17361	3.27	HMP	585502		genus	Prevotella
<i>Prevotella bivia</i> JCVIHMP010	2.42	HMP	553171		genus	Prevotella
<i>Prevotella buccae</i> D17	3.36	HMP	575611		genus	Prevotella
<i>Prevotella buccalis</i> ATCC 35310	3.03	HMP	679190		genus	Prevotella
<i>Prevotella copri</i> DSM 18205	3.51	HMP	537011	*	genus	Prevotella
<i>Prevotella melaninogenica</i> ATCC 25845	3.17	HMP	553174		genus	Prevotella
<i>Prevotella melaninogenica</i> D18	3.29	HMP	575612		genus	Prevotella
<i>Prevotella oris</i> F0302	3.25	HMP	649760		genus	Prevotella
<i>Prevotella ruminicola</i> 23	3.62	NCBI	264731		genus	Prevotella
<i>Prevotella</i> sp. oral taxon 299 str. F0039	2.45	HMP	575614		genus	Prevotella
<i>Prevotella</i> sp. oral taxon 317 str. F0108	4.1	HMP	575615		genus	Prevotella
<i>Prevotella</i> sp. oral taxon 472 str. F0295	3.64	HMP	619693		genus	Prevotella
<i>Prevotella tanneriae</i> ATCC 51259	2.59	HMP	626522		genus	Prevotella
<i>Prevotella timonensis</i> CRIS 5C-B1	2.8	HMP	679189		genus	Prevotella
<i>Prevotella veroralis</i> F0319	2.99	HMP	649761		genus	Prevotella
<i>Prochlorococcus marinus</i> str. AS9601	1.67	NCBI	146891		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9211	1.69	NCBI	93059		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9215	1.74	NCBI	93060		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9301	1.64	NCBI	167546		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9303	2.68	NCBI	59922		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9312	1.71	NCBI	74546		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9313	2.41	NCBI	74547		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. MIT 9515	1.7	NCBI	167542		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. NATL1A	1.86	NCBI	167555		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> str. NATL2A	1.84	NCBI	59920		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> subsp. <i>marinus</i> str. CCMP1375	1.75	NCBI	167539		genus	Cyanobacteria GpIIa
<i>Prochlorococcus marinus</i> subsp. <i>pastoris</i> str. CCMP1986	1.66	NCBI	59919		genus	Cyanobacteria GpIIa
<i>Propionibacterium acnes</i> J139	2.48	HMP	679194		genus	Propionibacterium
<i>Propionibacterium acnes</i> J165	2.5	HMP	679195		genus	Propionibacterium
<i>Propionibacterium acnes</i> KPA171202	2.56	NCBI	267747		genus	Propionibacterium
<i>Propionibacterium acnes</i> SK137	4.99	NCBI	553199		genus	Propionibacterium
<i>Propionibacterium acnes</i> SK187	2.51	HMP	686659		genus	Propionibacterium
<i>Propionibacterium freudenreichii</i> subsp. <i>shermanii</i> CIRM-BIA1	2.62	NCBI	754252		genus	Propionibacterium

<i>Prosthecochloris aestuarii</i> DSM 271	2.51	NCBI	290512		family	Chlorobiaceae
<i>Proteus mirabilis</i> ATCC 29906	4.03	HMP	525369		genus	Proteus
<i>Proteus mirabilis</i> HI4320	4.06	NCBI	529507		genus	Proteus
<i>Proteus penneri</i> ATCC 35198	3.75	HMP	471881	*	genus	Proteus
<i>Providencia alcalifaciens</i> DSM 30120	4.03	HMP	520999	*	genus	Providencia
<i>Providencia rettgeri</i> DSM 1131	4.76	HMP	521000	*	genus	Providencia
<i>Providencia rustigianii</i> DSM 4541	3.98	HMP	500637	*	genus	Providencia
<i>Providencia stuartii</i> ATCC 25827	4.61	HMP	471874	*	genus	Providencia
<i>Pseudoalteromonas atlantica</i> T6c	5.19	NCBI	342610		genus	Glaciecola
<i>Pseudoalteromonas haloplanktis</i> TAC125	3.85	NCBI	326442		genus	Pseudoalteromonas
<i>Pseudomonas aeruginosa</i> LESB58	6.6	NCBI	557722		genus	Pseudomonas
<i>Pseudomonas aeruginosa</i> PA7	6.59	NCBI	381754		genus	Pseudomonas
<i>Pseudomonas aeruginosa</i> PAO1	6.26	NCBI	208964		genus	Pseudomonas
<i>Pseudomonas aeruginosa</i> UCBPP-PA14	6.54	NCBI	208963		genus	Pseudomonas
<i>Pseudomonas entomophila</i> L48	5.89	NCBI	384676		genus	Pseudomonas
<i>Pseudomonas fluorescens</i> Pf0-1	6.44	NCBI	205922		genus	Pseudomonas
<i>Pseudomonas fluorescens</i> Pf-5	7.07	NCBI	220664		genus	Pseudomonas
<i>Pseudomonas fluorescens</i> SBW25	6.72	NCBI	216595		genus	Pseudomonas
<i>Pseudomonas mendocina</i> ymp	5.07	NCBI	399739		genus	Pseudomonas
<i>Pseudomonas putida</i> F1	5.96	NCBI	351746		genus	Pseudomonas
<i>Pseudomonas putida</i> GB-1	6.08	NCBI	76869		genus	Pseudomonas
<i>Pseudomonas putida</i> KT2440	6.18	NCBI	160488		genus	Pseudomonas
<i>Pseudomonas putida</i> W619	5.77	NCBI	390235		genus	Pseudomonas
<i>Pseudomonas stutzeri</i> A1501	4.57	NCBI	379731		genus	Pseudomonas
<i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> 1448A	5.93	NCBI	264730		genus	Pseudomonas
<i>Pseudomonas syringae</i> pv. <i>syringae</i> B728a	6.09	NCBI	205918		genus	Pseudomonas
<i>Pseudomonas syringae</i> pv. <i>tomato</i> str. DC3000	6.4	NCBI	223283		genus	Pseudomonas
<i>Psychrobacter arcticus</i> 273-4	2.65	NCBI	259536		genus	Psychrobacter
<i>Psychrobacter cryohalolentis</i> K5	3.06	NCBI	335284		genus	Psychrobacter
<i>Psychrobacter</i> sp. PRwf-1	2.98	NCBI	349106		genus	Psychrobacter
<i>Psychromonas ingrahamii</i> 37	4.56	NCBI	357804		genus	Psychromonas
<i>Pyramidobacter piscolens</i> W5455	2.56	HMP	352165		genus	Pyramidobacter
<i>Pyrobaculum aerophilum</i> str. IM2	2.22	NCBI	178306		genus	Pyrobaculum
<i>Pyrobaculum arsenaticum</i> DSM 13514	2.12	NCBI	340102		genus	Pyrobaculum
<i>Pyrobaculum calidifontis</i> JCM 11548	2.01	NCBI	410359		genus	Pyrobaculum
<i>Pyrobaculum islandicum</i> DSM 4184	1.83	NCBI	384616		genus	Pyrobaculum
<i>Pyrococcus abyssi</i> GE5	1.77	NCBI	272844		genus	Pyrococcus
<i>Pyrococcus furiosus</i> DSM 3638	1.91	NCBI	186497		genus	Pyrococcus
<i>Pyrococcus horikoshii</i> OT3	1.74	NCBI	70601		genus	Pyrococcus
<i>Ralstonia eutropha</i> H16	6.96	NCBI	381666		genus	Cupriavidus
<i>Ralstonia eutropha</i> JMP134	6.53	NCBI	264198		genus	Cupriavidus

<i>Ralstonia pickettii</i> 12D	4.97	NCBI	428406		genus	Ralstonia
<i>Ralstonia pickettii</i> 12J	5.24	NCBI	402626		genus	Ralstonia
<i>Ralstonia solanacearum</i> GMI1000	3.72	NCBI	267608		genus	Ralstonia
<i>Ralstonia solanacearum</i> MolK2	5.96	NCBI	564065		genus	Ralstonia
<i>Renibacterium salmoninarum</i> ATCC 33209	3.16	NCBI	288705		genus	Renibacterium
<i>Rhizobium etli</i> CFN 42	4.38	NCBI	347834		genus	Rhizobium
<i>Rhizobium etli</i> CIAT 652	4.51	NCBI	491916		genus	Rhizobium
<i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> WSM1325	4.77	NCBI	395491		genus	Rhizobium
<i>Rhizobium leguminosarum</i> bv. <i>trifolii</i> WSM2304	4.54	NCBI	395492		genus	Rhizobium
<i>Rhizobium leguminosarum</i> bv. <i>viciae</i> 3841	5.06	NCBI	216596		genus	Rhizobium
<i>Rhizobium</i> sp. NGR234	3.93	NCBI	394		genus	Ensifer
<i>Rhodobacter capsulatus</i> SB 1003	3.74	NCBI	272942		genus	Rhodobacter
<i>Rhodobacter sphaeroides</i> 2.4.1	4.13	NCBI	272943		genus	Rhodobacter
<i>Rhodobacter sphaeroides</i> ATCC 17025	3.22	NCBI	349102		genus	Rhodobacter
<i>Rhodobacter sphaeroides</i> ATCC 17029	4.37	NCBI	349101		genus	Rhodobacter
<i>Rhodobacter sphaeroides</i> KD131	4.45	NCBI	557760		genus	Rhodobacter
<i>Rhodococcus equi</i> ATCC 33707	5.25	HMP	525370		genus	Rhodococcus
<i>Rhodococcus erythropolis</i> PR4	6.52	NCBI	234621		genus	Rhodococcus
<i>Rhodococcus erythropolis</i> SK121	6.1	HMP	596309			
<i>Rhodococcus jostii</i> RHA1	7.8	NCBI	101510		genus	Rhodococcus
<i>Rhodococcus opacus</i> B4	7.91	NCBI	632772		genus	Rhodococcus
<i>Rhodoferax ferrireducens</i> T118	4.71	NCBI	338969		genus	Rhodoferax
<i>Rhodopirellula baltica</i> SH 1	7.15	NCBI	243090		genus	Rhodopirellula
<i>Rhodopseudomonas palustris</i> BisA53	5.51	NCBI	316055		genus	Rhodopseudomonas
<i>Rhodopseudomonas palustris</i> BisB18	5.51	NCBI	316056		genus	Rhodopseudomonas
<i>Rhodopseudomonas palustris</i> BisB5	4.89	NCBI	316057		genus	Rhodopseudomonas
<i>Rhodopseudomonas palustris</i> CGA009	5.46	NCBI	258594		family	Bradyrhizobiaceae
<i>Rhodopseudomonas palustris</i> HaA2	5.33	NCBI	316058		genus	Rhodopseudomonas
<i>Rhodopseudomonas palustris</i> TIE-1	5.74	NCBI	395960		family	Bradyrhizobiaceae
<i>Rhodospirillum centenum</i> SW	4.36	NCBI	414684		genus	Rhodocista
<i>Rhodospirillum rubrum</i> ATCC 11170	4.35	NCBI	269796		genus	Rhodospirillum
<i>Rhodothermus marinus</i> DSM 4252	3.26	NCBI	518766		genus	Rhodothermus
<i>Rickettsia africae</i> ESF-5	1.28	NCBI	347255		genus	Rickettsia
<i>Rickettsia akari</i> str. Hartford	1.23	NCBI	293614		genus	Rickettsia
<i>Rickettsia bellii</i> OSU 85-389	1.53	NCBI	391896		genus	Rickettsia
<i>Rickettsia bellii</i> RML369-C	1.52	NCBI	336407		genus	Rickettsia
<i>Rickettsia canadensis</i> str. McKiel	1.16	NCBI	293613		genus	Rickettsia
<i>Rickettsia conorii</i> str. Malish 7	1.27	NCBI	272944		genus	Rickettsia
<i>Rickettsia felis</i> URRWXCa2	1.49	NCBI	315456		genus	Rickettsia

<i>Rickettsia massiliae</i> MTU5	1.36	NCBI	416276		genus	Rickettsia
<i>Rickettsia peacockii</i> str. Rustic	1.29	NCBI	562019		genus	Rickettsia
<i>Rickettsia prowazekii</i> str. Madrid E	1.11	NCBI	272947		genus	Rickettsia
<i>Rickettsia rickettsii</i> str. Iowa	1.27	NCBI	452659		genus	Rickettsia
<i>Rickettsia rickettsii</i> str. 'Sheila Smith'	1.26	NCBI	392021		genus	Rickettsia
<i>Rickettsia typhi</i> str. Wilmington	1.11	NCBI	257363		genus	Rickettsia
<i>Robiginitalea biformata</i> HTCC2501	3.53	NCBI	313596		genus	Robiginitalea
<i>Roseburia intestinalis</i> L1-82	4.41	HMP	536231	*	genus	Roseburia
<i>Roseburia intestinalis</i> M50/1	4.14	MetaHIT	657315	*	genus	Roseburia
<i>Roseburia intestinalis</i> XB6B4	4.29	MetaHIT	718255	*	genus	Roseburia
<i>Roseburia inulinivorans</i> DSM 16841	4.05	HMP	622312	*		
<i>Roseiflexus castenholzii</i> DSM 13941	5.72	NCBI	383372		genus	Chloroflexus
<i>Roseiflexus</i> sp. RS-1	5.8	NCBI	357808		genus	Chloroflexus
<i>Roseobacter denitrificans</i> OCh 114	4.13	NCBI	375451		genus	Roseobacter
<i>Roseomonas cervicalis</i> ATCC 49957	5.1	HMP	525371		genus	Roseomonas
<i>Rothia dentocariosa</i> ATCC 17931	2.49	HMP	762948		genus	Rothia
<i>Rothia mucilaginosa</i> ATCC 25296	2.26	HMP	553201		genus	Rothia
<i>Rothia mucilaginosa</i> DY-18	2.26	NCBI	680646		genus	Rothia
<i>Rubroacter xylanophilus</i> DSM 9941	3.23	NCBI	266117		genus	Rubroacter
<i>Ruegeria pomeroyi</i> DSS-3	4.11	NCBI	246200		genus	Silicibacter
<i>Ruegeria</i> sp. TM1040	3.2	NCBI	292414		genus	Ruegeria
<i>Ruminococcus bromii</i> L2-63	2.25	MetaHIT	657321	*	genus	Ruminococcus
<i>Ruminococcus gnavus</i> ATCC 29149	0.78	HMP	411470	*		
<i>Ruminococcus lactaris</i> ATCC 29176	2.73	HMP	471875	*	family	Lachnospiraceae
<i>Ruminococcus obeum</i> A2-162	3.76	MetaHIT	657314	*	genus	Blautia
<i>Ruminococcus obeum</i> ATCC 29174	3.63	HMP	411459	*	genus	Blautia
<i>Ruminococcus</i> sp. 18P13	2.57	MetaHIT	213810	*	genus	Ruminococcus
<i>Ruminococcus</i> sp. 5_1_39BFAA	3.88	HMP	457412	*	genus	Blautia
<i>Ruminococcus</i> sp. SR1/5	3.55	MetaHIT	657323	*	genus	Blautia
<i>Ruminococcus torques</i> ATCC 27756	2.74	HMP	411460	*	family	Lachnospiraceae
<i>Ruminococcus torques</i> L2-14	3.34	MetaHIT	657313	*	family	Lachnospiraceae
<i>Saccharomonospora viridis</i> DSM 43017	4.31	NCBI	471857		genus	Saccharomonospora
<i>Saccharophagus degradans</i> 2-40	5.06	NCBI	203122		genus	Saccharophagus
<i>Saccharopolyspora erythraea</i> NRRL 2338	8.21	NCBI	405948		genus	Saccharopolyspora
<i>Salinibacter ruber</i>	3.62	NCBI	146919		genus	Salinibacter
<i>Salinibacter ruber</i> DSM 13855	3.55	NCBI	309807		genus	Salinibacter
<i>Salinispora arenicola</i> CNS-205	5.79	NCBI	391037		genus	Salinispora
<i>Salinispora tropica</i> CNB-440	5.18	NCBI	369723		genus	Salinispora
<i>Salmonella enterica</i> subsp. <i>arizonae</i> serovar 62:z4,z23:--	4.6	NCBI	41514		genus	Salmonella
<i>Salmonella enterica</i> subsp. <i>enterica</i> serovar	4.8	NCBI	454166		genus	Salmonella

<i>Agona str. SL483</i>						
<i>Salmonella enterica subsp. enterica serovar Choleraesuis str. SC-B67</i>	4.76	NCBI	321314	*	genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Dublin str. CT_02021853</i>	4.84	NCBI	439851		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Enteritidis str. P125109</i>	4.69	NCBI	550537		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Gallinarum str. 287/91</i>	4.66	NCBI	550538		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Heidelberg str. SL476</i>	4.89	NCBI	454169		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Newport str. SL254</i>	4.83	NCBI	423368		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Paratyphi A str. AKU_12601</i>	4.58	NCBI	554290		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Paratyphi A str. ATCC 9150</i>	4.59	NCBI	295319	*	genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Paratyphi B str. SPB7</i>	4.86	NCBI	272994		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Paratyphi C strain RKS4594</i>	4.83	NCBI	476213		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Schwarzengrund str. CVM19633</i>	4.71	NCBI	439843		genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Typhi str. CT18</i>	4.81	NCBI	220341	*	genus	Salmonella
<i>Salmonella enterica subsp. enterica serovar Typhi str. Ty2</i>	4.79	NCBI	209261	*	family	Enterobacteriaceae
<i>Salmonella enterica subsp. enterica serovar Typhimurium str. LT2</i>	4.86	NCBI	99287	*	genus	Salmonella
<i>Sanguibacter keddieii DSM 10542</i>	4.25	NCBI	446469		genus	Sanguibacter
<i>Scardovia inopinata F0304</i>	1.8	HMP	641146		genus	Scardovia
<i>Sebaldella termitidis ATCC 33386</i>	4.42	NCBI	526218		genus	Sebaldella
<i>Segniliparus rotundus DSM 44985</i>	3.16	NCBI	640132		genus	Segniliparus
<i>Selenomonas flueggei ATCC 43531</i>	2.17	HMP	638302		genus	Selenomonas
<i>Selenomonas noxia ATCC 43541</i>	2.05	HMP	585503		genus	Selenomonas
<i>Selenomonas sputigena ATCC 35185</i>	2.56	HMP	546271		genus	Selenomonas
<i>Serratia odorifera DSM 4582</i>	5.27	HMP	667129		genus	Serratia
<i>Serratia proteamaculans 568</i>	5.45	NCBI	399741		genus	Serratia
<i>Shewanella amazonensis SB2B</i>	4.31	NCBI	326297		genus	Shewanella
<i>Shewanella baltica OS155</i>	5.13	NCBI	325240		genus	Shewanella
<i>Shewanella baltica OS185</i>	5.23	NCBI	402882		genus	Shewanella
<i>Shewanella baltica OS195</i>	5.35	NCBI	399599		genus	Shewanella
<i>Shewanella baltica OS223</i>	5.15	NCBI	407976		genus	Shewanella
<i>Shewanella denitrificans OS217</i>	4.55	NCBI	318161		genus	Shewanella
<i>Shewanella frigidimarina NCIMB 400</i>	4.85	NCBI	318167		genus	Shewanella
<i>Shewanella halifaxensis HAW-EB4</i>	5.23	NCBI	458817		genus	Shewanella

<i>Shewanella loihica</i> PV-4	4.6	NCBI	323850		genus	Shewanella
<i>Shewanella oneidensis</i> MR-1	4.97	NCBI	211586		genus	Shewanella
<i>Shewanella pealeana</i> ATCC 700345	5.17	NCBI	398579		genus	Shewanella
<i>Shewanella piezotolerans</i> WP3	5.4	NCBI	225849		genus	Shewanella
<i>Shewanella putrefaciens</i> CN-32	4.66	NCBI	319224		genus	Shewanella
<i>Shewanella sediminis</i> HAW-EB3	5.52	NCBI	425104		genus	Shewanella
<i>Shewanella</i> sp. ANA-3	4.97	NCBI	94122		genus	Shewanella
<i>Shewanella</i> sp. MR-4	4.71	NCBI	60480		genus	Shewanella
<i>Shewanella</i> sp. MR-7	4.79	NCBI	60481		genus	Shewanella
<i>Shewanella</i> sp. W3-18-1	4.71	NCBI	351745		genus	Shewanella
<i>Shewanella violacea</i> DSS12	4.96	NCBI	637905		genus	Shewanella
<i>Shewanella woodyi</i> ATCC 51908	5.94	NCBI	392500		genus	Shewanella
<i>Shigella boydii</i> CDC 3083-94	4.62	NCBI	344609		genus	Escherichia/Shigella
<i>Shigella boydii</i> Sb227	4.52	NCBI	300268		genus	Escherichia/Shigella
<i>Shigella dysenteriae</i> Sd197	4.37	NCBI	300267		genus	Escherichia/Shigella
<i>Shigella flexneri</i> 2a str. 2457T	4.6	NCBI	198215		genus	Escherichia/Shigella
<i>Shigella flexneri</i> 2a str. 301	4.61	NCBI	198214		genus	Escherichia/Shigella
<i>Shigella flexneri</i> 5 str. 8401	4.57	NCBI	373384		genus	Escherichia/Shigella
<i>Shigella sonnei</i> Ss046	4.83	NCBI	300269		genus	Escherichia/Shigella
<i>Shigella</i> sp. D9	4.76	HMP	556266	*	genus	Escherichia/Shigella
<i>Shuttleworthia satelles</i> DSM 14600	2.17	HMP	626523		genus	Shuttleworthia
<i>Sideroxydans lithotrophicus</i> ES-1	3	NCBI	580332		family	Rhodocyclaceae
<i>Simonsiella muelleri</i> ATCC 29453	2.41	HMP	641147		genus	Simonsiella
<i>Sinorhizobium medicae</i> WSM419	3.78	NCBI	366394		genus	Ensifer
<i>Sinorhizobium meliloti</i> 1021	3.65	NCBI	266834		genus	Ensifer
<i>Slackia exigua</i> ATCC 700122	2.1	HMP	649764		genus	Slackia
<i>Slackia heliotrinireducens</i> DSM 20476	3.17	NCBI	471855		genus	Slackia
<i>Sodalis glossinidius</i> str. 'morsitans'	4.17	NCBI	343509		genus	Sodalis
<i>Sorangium cellulosum</i> 'So ce 56'	13.03	NCBI	448385		genus	Sorangium
<i>Sphaerobacter thermophilus</i> DSM 20745	3.99	NCBI	479434		genus	Sphaerobacter
<i>Sphingobacterium spiritivorum</i> ATCC 33300	5.23	HMP	525372		genus	Sphingobacterium
<i>Sphingobacterium spiritivorum</i> ATCC 33861	5.11	HMP	525373		genus	Sphingobacterium
<i>Sphingobium japonicum</i> UT26S	4.2	NCBI	452662		genus	Sphingobium
<i>Sphingomonas wittichii</i> RW1	5.38	NCBI	392499		genus	Sphingomonas
<i>Sphingopyxis alaskensis</i> RB2256	3.35	NCBI	317655		genus	Sphingopyxis
<i>Spirosoma linguale</i> DSM 74	8.08	NCBI	504472		genus	Spirosoma
<i>Stackebrandtia nassauensis</i> DSM 44728	6.84	NCBI	446470		genus	Stackebrandtia
<i>Staphylococcus aureus</i> RF122	2.74	NCBI	273036		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> COL	2.81	NCBI	93062		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ED98	2.82	NCBI	681288		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> JH1	2.91	NCBI	359787		genus	Staphylococcus

<i>Staphylococcus aureus</i> subsp. <i>aureus</i> JH9	2.91	NCBI	359786		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> MN8	2.87	HMP	548470		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> MRSA252	2.9	NCBI	282458		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> MSSA476	2.8	NCBI	282459		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> Mu3	2.88	NCBI	418127		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> Mu50	2.88	NCBI	158878		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> MW2	2.82	NCBI	196620		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> N315	2.81	NCBI	158879		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> NCTC 8325	2.82	NCBI	93061		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> str. Newman	2.88	NCBI	426430		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> TCH130	2.78	HMP	548474		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> TCH60	2.8	HMP	548473		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> TCH70	2.85	HMP	548475		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> USA300_FPR3757	2.87	NCBI	451515		genus	Staphylococcus
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> USA300_TCH1516	2.87	NCBI	451516		genus	Staphylococcus
<i>Staphylococcus capitis</i> SK14	2.44	HMP	553212		genus	Staphylococcus
<i>Staphylococcus carnosus</i> subsp. <i>carnosus</i> TM300	2.57	NCBI	396513		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> ATCC 12228	2.5	NCBI	176280		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> BCM-HMP0060	2.61	HMP	525374		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> M23864:W1	2.63	HMP	525378		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> M23864:W2(grey)	2.52	HMP	525375		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> RP62A	2.62	NCBI	176279		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> SK135	2.48	HMP	596317		genus	Staphylococcus
<i>Staphylococcus epidermidis</i> W23144	2.65	HMP	525376		genus	Staphylococcus
<i>Staphylococcus haemolyticus</i> JCSC1435	2.69	NCBI	279808		genus	Staphylococcus
<i>Staphylococcus hominis</i> SK119	2.23	HMP	629742		genus	Staphylococcus
<i>Staphylococcus lugdunensis</i> HKU09-01	2.66	NCBI	698737		genus	Staphylococcus
<i>Staphylococcus saprophyticus</i> subsp. <i>saprophyticus</i> ATCC 15305	2.52	NCBI	342451		genus	Staphylococcus
<i>Staphylococcus warneri</i> L37603	2.43	HMP	596319		genus	Staphylococcus
<i>Staphylothermus hellenicus</i> DSM 12710	1.58	NCBI	591019		genus	Staphylothermus
<i>Staphylothermus marinus</i> F1	1.57	NCBI	399550		genus	Staphylothermus
<i>Starkeya novella</i> DSM 506	4.77	NCBI	639283		genus	Starkeya
<i>Stenotrophomonas maltophilia</i> K279a	4.85	NCBI	522373		genus	Stenotrophomonas
<i>Stenotrophomonas maltophilia</i> R551-3	4.57	NCBI	391008		genus	Stenotrophomonas
<i>Streptobacillus moniliformis</i> DSM 12112	1.66	NCBI	519441		genus	Streptobacillus
<i>Streptococcus agalactiae</i> 2603V/R	2.16	NCBI	208435		genus	Streptococcus

<i>Streptococcus agalactiae</i> A909	2.13	NCBI	205921		genus	Streptococcus
<i>Streptococcus agalactiae</i> NEM316	2.21	NCBI	211110		genus	Streptococcus
<i>Streptococcus dysgalactiae</i> subsp. <i>equisimilis</i> GGS_124	2.11	NCBI	486410		genus	Streptococcus
<i>Streptococcus equi</i> subsp. <i>equi</i> 4047	2.25	NCBI	553482		genus	Streptococcus
<i>Streptococcus equi</i> subsp. <i>zooepidemicus</i>	2.15	NCBI	40041		genus	Streptococcus
<i>Streptococcus equi</i> subsp. <i>zooepidemicus</i> MGCS10565	2.02	NCBI	552526		genus	Streptococcus
<i>Streptococcus gallolyticus</i> UCN34	2.35	NCBI	637909		genus	Streptococcus
<i>Streptococcus gordonii</i> str. <i>Challis</i> substr. <i>CH1</i>	2.2	NCBI	467705		genus	Streptococcus
<i>Streptococcus infantarius</i> subsp. <i>infantarius</i> ATCC BAA-102	1.93	HMP	471872	*	genus	Streptococcus
<i>Streptococcus mitis</i> B6	2.15	NCBI	365659		genus	Streptococcus
<i>Streptococcus mutans</i> NN2025	2.01	NCBI	511691		genus	Streptococcus
<i>Streptococcus mutans</i> UA159	2.03	NCBI	210007		genus	Streptococcus
<i>Streptococcus oralis</i> ATCC 35037	1.91	HMP	655813		genus	Streptococcus
<i>Streptococcus parasanguinis</i> ATCC 15912	2.16	HMP	760570		genus	Streptococcus
<i>Streptococcus pneumoniae</i> 70585	2.18	NCBI	488221		genus	Streptococcus
<i>Streptococcus pneumoniae</i> ATCC 700669	2.22	NCBI	561276		genus	Streptococcus
<i>Streptococcus pneumoniae</i> CGSP14	2.21	NCBI	516950		genus	Streptococcus
<i>Streptococcus pneumoniae</i> D39	2.05	NCBI	373153		genus	Streptococcus
<i>Streptococcus pneumoniae</i> G54	2.08	NCBI	512566		genus	Streptococcus
<i>Streptococcus pneumoniae</i> Hungary19A-6	2.25	NCBI	487214		genus	Streptococcus
<i>Streptococcus pneumoniae</i> JJA	2.12	NCBI	488222		genus	Streptococcus
<i>Streptococcus pneumoniae</i> P1031	2.11	NCBI	488223		genus	Streptococcus
<i>Streptococcus pneumoniae</i> R6	2.04	NCBI	171101		genus	Streptococcus
<i>Streptococcus pneumoniae</i> Taiwan19F-14	2.11	NCBI	487213		genus	Streptococcus
<i>Streptococcus pneumoniae</i> TCH8431/19A	4.19	NCBI	525381		genus	Streptococcus
<i>Streptococcus pneumoniae</i> TIGR4	2.16	NCBI	170187		genus	Streptococcus
<i>Streptococcus pyogenes</i> M1 GAS	1.85	NCBI	160490		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS10270	1.93	NCBI	370552		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS10394	1.9	NCBI	286636		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS10750	1.94	NCBI	370554		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS2096	1.86	NCBI	370553		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS315	1.9	NCBI	198466		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS5005	1.84	NCBI	293653		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS6180	1.9	NCBI	319701		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS8232	1.9	NCBI	186103		genus	Streptococcus
<i>Streptococcus pyogenes</i> MGAS9429	1.84	NCBI	370551		genus	Streptococcus
<i>Streptococcus pyogenes</i> NZ131	1.82	NCBI	471876		genus	Streptococcus
<i>Streptococcus pyogenes</i> SSI-1	1.89	NCBI	193567		genus	Streptococcus
<i>Streptococcus pyogenes</i> str. <i>Manfredo</i>	1.84	NCBI	160491		genus	Streptococcus

<i>Streptococcus salivarius</i> SK126	2.13	HMP	596322		genus	Streptococcus
<i>Streptococcus sanguinis</i> SK36	2.39	NCBI	388919		genus	Streptococcus
<i>Streptococcus</i> sp. 2_1_36FAA	2.23	HMP	469609	*	genus	Streptococcus
<i>Streptococcus</i> sp. M143	1.88	HMP	563037		genus	Streptococcus
<i>Streptococcus suis</i> 05ZYH33	2.1	NCBI	391295		genus	Streptococcus
<i>Streptococcus suis</i> 98HAH33	2.1	NCBI	391296		genus	Streptococcus
<i>Streptococcus suis</i> BM407	2.15	NCBI	568814		genus	Streptococcus
<i>Streptococcus suis</i> P1/7	2.01	NCBI	218494		genus	Streptococcus
<i>Streptococcus suis</i> SC84	2.1	NCBI	568813		genus	Streptococcus
<i>Streptococcus thermophilus</i> CNRZ1066	1.8	NCBI	299768		genus	Streptococcus
<i>Streptococcus thermophilus</i> LMD-9	1.86	NCBI	322159		genus	Streptococcus
<i>Streptococcus thermophilus</i> LMG 18311	1.8	NCBI	264199		genus	Streptococcus
<i>Streptococcus uberis</i> 0140J	1.85	NCBI	218495		genus	Streptococcus
<i>Streptomyces avermitilis</i> MA-4680	9.03	NCBI	227882		genus	Streptomyces
<i>Streptomyces coelicolor</i>	8.67	NCBI	1902		genus	Streptomyces
<i>Streptomyces griseus</i> subsp. <i>griseus</i> NBRC 13350	8.55	NCBI	455632		genus	Streptomyces
<i>Streptomyces scabiei</i> 87.22	10.15	NCBI	680198		genus	Streptomyces
<i>Streptosporangium roseum</i> DSM 43021	10.34	NCBI	479432		genus	Streptosporangium
<i>Subdoligranulum variabile</i> DSM 15176	3.25	HMP	411471	*	genus	Subdoligranulum
<i>Sulfolobus acidocaldarius</i> DSM 639	2.23	NCBI	330779		genus	Sulfolobus
<i>Sulfolobus islandicus</i> L.D.8.5	2.72	NCBI	425944		genus	Sulfolobus
<i>Sulfolobus islandicus</i> L.S.2.15	2.74	NCBI	429572		genus	Sulfolobus
<i>Sulfolobus islandicus</i> M.14.25	2.61	NCBI	427317		genus	Sulfolobus
<i>Sulfolobus islandicus</i> M.16.27	2.69	NCBI	427318		genus	Sulfolobus
<i>Sulfolobus islandicus</i> M.16.4	2.59	NCBI	426118		genus	Sulfolobus
<i>Sulfolobus islandicus</i> Y.G.57.14	2.7	NCBI	439386		genus	Sulfolobus
<i>Sulfolobus islandicus</i> Y.N.15.51	2.81	NCBI	419942		genus	Sulfolobus
<i>Sulfolobus solfataricus</i> P2	2.99	NCBI	273057		genus	Sulfolobus
<i>Sulfolobus tokodaii</i> str. 7	2.69	NCBI	273063		genus	Sulfolobus
<i>Sulfurihydrogenibium azorense</i> Az-Fu1	1.64	NCBI	204536		genus	Sulfurihydrogenibium
<i>Sulfurihydrogenibium</i> sp. YO3AOP1	1.84	NCBI	436114		genus	Sulfurihydrogenibium
<i>Sulfurimonas denitrificans</i> DSM 1251	2.2	NCBI	326298		genus	Sulfurimonas
<i>Sulfurospirillum deleyianum</i> DSM 6946	2.31	NCBI	525898		genus	Sulfurospirillum
<i>Sulfurovum</i> sp. NBC37-1	2.56	NCBI	387093		genus	Sulfurovum
<i>Symbiobacterium thermophilum</i> IAM 14863	3.57	NCBI	292459		genus	Symbiobacterium
<i>Synechococcus elongatus</i> PCC 6301	2.7	NCBI	269084		genus	Cyanobacteria GpIIb
<i>Synechococcus elongatus</i> PCC 7942	2.7	NCBI	1140		genus	Cyanobacteria GpIIb
<i>Synechococcus</i> sp. CC9311	2.61	NCBI	64471		genus	Cyanobacteria GpIIa
<i>Synechococcus</i> sp. CC9605	2.51	NCBI	110662		genus	Cyanobacteria GpIIa
<i>Synechococcus</i> sp. CC9902	2.23	NCBI	316279		genus	Cyanobacteria GpIIa

<i>Synechococcus</i> sp. JA-2-3B'a(2-13)	3.05	NCBI	321332		class	Cyanobacteria
<i>Synechococcus</i> sp. JA-3-3Ab	2.93	NCBI	321327		class	Cyanobacteria
<i>Synechococcus</i> sp. PCC 7002	3.01	NCBI	32049		genus	Cyanobacteria GpX
<i>Synechococcus</i> sp. RCC307	2.22	NCBI	316278		genus	Cyanobacteria GpIIa
<i>Synechococcus</i> sp. WH 7803	2.37	NCBI	32051		genus	Cyanobacteria GpIIa
<i>Synechococcus</i> sp. WH 8102	2.43	NCBI	84588		genus	Cyanobacteria GpIIa
<i>Synechocystis</i> sp. PCC 6803	3.57	NCBI	1148		genus	Cyanobacteria GpIX
<i>Synergistetes bacterium</i> SGP1	2.73	MetaHIT	651822			
<i>Syntrophobacter fumaroxidans</i> MPOB	4.99	NCBI	335543		genus	Syntrophobacter
<i>Syntrophomonas wolfei</i> subsp. <i>wolfei</i> str. Goettingen	2.94	NCBI	335541		genus	Syntrophomonas
<i>Syntrophothermus lipocalidus</i> DSM 12680	2.41	NCBI	643648		genus	Syntrophothermus
<i>Syntrophus aciditrophicus</i> SB	3.18	NCBI	56780		genus	Syntrophus
<i>Teredinibacter turnerae</i> T7901	5.19	NCBI	377629		genus	Teredinibacter
<i>Thauera</i> sp. MZ1T	4.5	NCBI	85643		genus	Thauera
<i>Thermanaerovibrio acidaminovorans</i> DSM 6589	1.85	NCBI	525903		genus	Aminomonas
<i>Thermincola</i> sp. JR	2.48	NCBI	635013		genus	Thermincola
<i>Thermoanaerobacter italicus</i> Ab9	2.45	NCBI	580331		genus	Thermoanaerobacter
<i>Thermoanaerobacter mathranii</i> subsp. <i>mathranii</i> str. A3	2.31	NCBI	583358		genus	Thermoanaerobacter
<i>Thermoanaerobacter pseudethanolicus</i> ATCC 33223	2.36	NCBI	340099		genus	Thermoanaerobacter
<i>Thermoanaerobacter</i> sp. X514	2.46	NCBI	399726		genus	Thermoanaerobacter
<i>Thermoanaerobacter tengcongensis</i> MB4	2.69	NCBI	273068		genus	Caldanaerobacter
<i>Thermobaculum terrenum</i> ATCC BAA-798	3.1	NCBI	525904		class	Thermomicrobia
<i>Thermobifida fusca</i> YX	3.64	NCBI	269800		genus	Thermobifida
<i>Thermobispora bispora</i> DSM 43833	4.19	NCBI	469371		genus	Thermobispora
<i>Thermococcus gammatolerans</i> EJ3	2.05	NCBI	593117		genus	Thermococcus
<i>Thermococcus kodakarensis</i> KOD1	2.09	NCBI	69014		genus	Thermococcus
<i>Thermococcus onnurineus</i> NA1	1.85	NCBI	523850		genus	Thermococcus
<i>Thermococcus sibiricus</i> MM 739	1.85	NCBI	604354		genus	Thermococcus
<i>Thermocrinis albus</i> DSM 14484	1.5	NCBI	638303		genus	Thermocrinis
<i>Thermodesulfovibrio yellowstonii</i> DSM 11347	2	NCBI	289376		genus	Thermodesulfovibrio
<i>Thermofilum pendens</i> Hrk 5	1.78	NCBI	368408		genus	Thermofilum
<i>Thermomicrobium roseum</i> DSM 5159	2	NCBI	309801		genus	Thermomicrobium
<i>Thermomonospora curvata</i> DSM 43183	5.64	NCBI	471852		genus	Thermomonospora
<i>Thermoplasma acidophilum</i> DSM 1728	1.56	NCBI	273075		genus	Thermoplasma
<i>Thermoplasma volcanium</i> GSS1	1.58	NCBI	273116		genus	Thermoplasma
<i>Thermoproteus neutrophilus</i> V24Sta	1.77	NCBI	444157		genus	Pyrobaculum
<i>Thermosipho africanus</i> TCF52B	2.02	NCBI	484019		genus	Thermosipho
<i>Thermosipho melanesiensis</i> BI429	1.92	NCBI	391009		genus	Thermosipho

<i>Thermosphaera aggregans</i> DSM 11486	1.32	NCBI	633148		genus	Thermosphaera
<i>Thermosynechococcus elongatus</i> BP-1	2.59	NCBI	197221		class	Cyanobacteria
<i>Thermotoga lettingae</i> TMO	2.14	NCBI	416591		genus	Thermotoga
<i>Thermotoga maritima</i> MSB8	1.86	NCBI	243274		genus	Thermotoga
<i>Thermotoga naphthophila</i> RKU-10	1.81	NCBI	590168		genus	Thermotoga
<i>Thermotoga neapolitana</i> DSM 4359	1.88	NCBI	309803		genus	Thermotoga
<i>Thermotoga petrophila</i> RKU-1	1.82	NCBI	390874		genus	Thermotoga
<i>Thermotoga</i> sp. RQ2	1.88	NCBI	126740		genus	Thermotoga
<i>Thermus thermophilus</i> HB27	1.89	NCBI	262724		genus	Thermus
<i>Thermus thermophilus</i> HB8	1.85	NCBI	300852		genus	Thermus
<i>Thioalkalivibrio</i> sp. HL-EbGR7	3.46	NCBI	396588		genus	Thioalkalivibrio
<i>Thioalkalivibrio</i> sp. K90mix	2.74	NCBI	396595		genus	Thioalkalivibrio
<i>Thiobacillus denitrificans</i> ATCC 25259	2.91	NCBI	292415		genus	Thiobacillus
<i>Thiomicrospira crunogena</i> XCL-2	2.43	NCBI	317025		genus	Thiomicrospira
<i>Thiomonas intermedia</i> K12	3.4	NCBI	75379		genus	Thiomonas
<i>Tolomonas auensis</i> DSM 9187	3.47	NCBI	595494		genus	Tolomonas
<i>Treponema denticola</i> ATCC 35405	2.84	NCBI	243275		genus	Treponema
<i>Treponema pallidum</i> subsp. <i>pallidum</i> SS14	1.14	NCBI	455434		genus	Treponema
<i>Treponema pallidum</i> subsp. <i>pallidum</i> str. Nichols	1.14	NCBI	243276		genus	Treponema
<i>Treponema vincentii</i> ATCC 35580	2.51	HMP	596324		genus	Treponema
<i>Trichodesmium erythraeum</i> IMS101	7.75	NCBI	203124		genus	Cyanobacteria GpXII
<i>Tropheryma whipplei</i> str. Twist	0.93	NCBI	203267		genus	Tropheryma
<i>Tropheryma whipplei</i> TW08/27	0.93	NCBI	218496		genus	Tropheryma
<i>Truepera radiovictrix</i> DSM 17093	3.26	NCBI	649638		genus	Truepera
<i>Tsakamurella paurometabola</i> DSM 20162	4.38	NCBI	521096		genus	Tsakamurella
<i>Turicibacter</i> sp. PC909	2.95	HMP	702450	*	genus	Turicibacter
uncultured methanogenic archaeon RC-I	3.18	NCBI	351160		genus	Methanocella
uncultured Termite group 1 bacterium phylotype Rs-D17	1.13	NCBI	471821		domain	Bacteria
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 27815	0.75	NCBI	505682		genus	Ureaplasma
<i>Ureaplasma parvum</i> serovar 3 str. ATCC 700970	0.75	NCBI	273119		genus	Ureaplasma
<i>Ureaplasma urealyticum</i> serovar 10 str. ATCC 33699	0.87	NCBI	565575		genus	Ureaplasma
<i>Variovorax paradoxus</i> S110	6.75	NCBI	543728		genus	Variovorax
<i>Veillonella dispar</i> ATCC 17748	2.12	HMP	546273		genus	Veillonella
<i>Veillonella parvula</i> ATCC 17745	2.16	HMP	686660		genus	Veillonella
<i>Veillonella parvula</i> DSM 2008	2.13	NCBI	479436		genus	Veillonella
<i>Veillonella</i> sp. 3_1_44	2.16	HMP	457416	*	genus	Veillonella
<i>Veillonella</i> sp. 6_1_27	2.17	HMP	450749	*	genus	Veillonella
<i>Verminephrobacter eiseniae</i> EF01-2	5.57	NCBI	391735		genus	Verminephrobacter

<i>Vibrio cholerae</i> M66-2	3.94	NCBI	579112		genus	Vibrio
<i>Vibrio cholerae</i> MJ-1236	4.24	NCBI	593588		genus	Vibrio
<i>Vibrio cholerae</i> O1 biovar El Tor str. N16961	4.03	NCBI	243277		genus	Vibrio
<i>Vibrio cholerae</i> O395	4.13	NCBI	345073		genus	Vibrio
<i>Vibrio fischeri</i> ES114	4.23	NCBI	312309		genus	Aliivibrio
<i>Vibrio fischeri</i> MJ11	4.32	NCBI	388396		genus	Aliivibrio
<i>Vibrio harveyi</i> ATCC BAA-1116	5.97	NCBI	338187		genus	Vibrio
<i>Vibrio parahaemolyticus</i> RIMD 2210633	5.17	NCBI	223926		genus	Vibrio
<i>Vibrio</i> sp. Ex25	5.09	NCBI	150340		genus	Vibrio
<i>Vibrio splendidus</i> LGP32	4.22	NCBI	575788		genus	Vibrio
<i>Vibrio vulnificus</i> CMCP6	5.13	NCBI	216895		genus	Vibrio
<i>Vibrio vulnificus</i> YJ016	5.21	NCBI	196600		genus	Vibrio
<i>Waddlia chondrophila</i> WSU 86-1044	2.12	NCBI	716544		genus	Waddlia
<i>Weissella paramesenteroides</i> ATCC 33313	1.98	HMP	585506	*	genus	Weissella
<i>Wigglesworthia glossinidia</i> endosymbiont of <i>Glossina brevipalpis</i>	0.7	NCBI	36870		family	Enterobacteriaceae
<i>Wolbachia</i> endosymbiont of <i>Culex quinquefasciatus</i> Pel	1.48	NCBI	570417		genus	Anaplasma
<i>Wolbachia</i> endosymbiont of <i>Drosophila melanogaster</i>	1.27	NCBI	163164		genus	Anaplasma
<i>Wolbachia</i> endosymbiont strain TRS of <i>Brugia malayi</i>	1.08	NCBI	292805		genus	Anaplasma
<i>Wolbachia</i> sp. wRi	1.45	NCBI	66084		genus	Anaplasma
<i>Wolinella succinogenes</i> DSM 1740	2.11	NCBI	273121	*	genus	Wolinella
<i>Xanthobacter autotrophicus</i> Py2	5.31	NCBI	78245		genus	Xanthobacter
<i>Xanthomonas albilineans</i>	3.77	NCBI	29447		genus	Xanthomonas
<i>Xanthomonas axonopodis</i> pv. <i>citri</i> str. 306	5.18	NCBI	190486		genus	Xanthomonas
<i>Xanthomonas campestris</i> pv. <i>campestris</i> str. 8004	5.15	NCBI	314565		genus	Xanthomonas
<i>Xanthomonas campestris</i> pv. <i>campestris</i> str. ATCC 33913	5.08	NCBI	190485		genus	Xanthomonas
<i>Xanthomonas campestris</i> pv. <i>campestris</i> str. B100	5.08	NCBI	509169		genus	Xanthomonas
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> str. 85-10	5.18	NCBI	316273		genus	Xanthomonas
<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> KACC10331	4.94	NCBI	291331		genus	Xanthomonas
<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> MAFF 311018	4.94	NCBI	342109		genus	Xanthomonas
<i>Xanthomonas oryzae</i> pv. <i>oryzae</i> PXO99A	5.24	NCBI	360094		genus	Xanthomonas
<i>Xenorhabdus bovienii</i> SS-2004	4.23	NCBI	406818		genus	Xenorhabdus
<i>Xylanimonas cellulolytica</i> DSM 15894	3.74	NCBI	446471		genus	Xylanimonas
<i>Xylella fastidiosa</i> 9a5c	2.68	NCBI	160492		genus	Xylella
<i>Xylella fastidiosa</i> M12	2.48	NCBI	405440		genus	Xylella
<i>Xylella fastidiosa</i> M23	2.54	NCBI	405441		genus	Xylella
<i>Xylella fastidiosa</i> Temecula1	2.52	NCBI	183190		genus	Xylella

<i>Yersinia enterocolitica</i> subsp. <i>enterocolitica</i> 8081	4.62	NCBI	393305		genus	Yersinia
<i>Yersinia pestis</i> Angola	4.5	NCBI	349746		genus	Yersinia
<i>Yersinia pestis</i> Antiqua	4.7	NCBI	360102		genus	Yersinia
<i>Yersinia pestis</i> biovar <i>Microtus</i> str. 91001	4.6	NCBI	229193		genus	Yersinia
<i>Yersinia pestis</i> CO92	4.65	NCBI	214092		genus	Yersinia
<i>Yersinia pestis</i> KIM 10	4.6	NCBI	187410		genus	Yersinia
<i>Yersinia pestis</i> Nepal516	4.53	NCBI	377628		genus	Yersinia
<i>Yersinia pestis</i> Pestoides F	4.52	NCBI	386656		genus	Yersinia
<i>Yersinia pestis</i> Z176003	4.55	NCBI	637386		genus	Yersinia
<i>Yersinia pseudotuberculosis</i> IP 31758	4.72	NCBI	349747		genus	Yersinia
<i>Yersinia pseudotuberculosis</i> IP 32953	4.74	NCBI	273123		genus	Yersinia
<i>Yersinia pseudotuberculosis</i> PB1/+	4.7	NCBI	502801		genus	Yersinia
<i>Yersinia pseudotuberculosis</i> YPIII	4.69	NCBI	502800		genus	Yersinia
<i>Zunongwangia profunda</i> SM-A87	5.13	NCBI	655815		genus	Zunongwangia
<i>Zymomonas mobilis</i> subsp. <i>mobilis</i> NCIMB 11163	2.12	NCBI	622759		genus	Zymomonas
<i>Zymomonas mobilis</i> subsp. <i>mobilis</i> ZM4	2.06	NCBI	264203		genus	Zymomonas