

Supplementary Figures and Tables
**MetaVelvet-SL: An extension of the Velvet assembler to
a *de novo* metagenomic assembler utilizing supervised learning**

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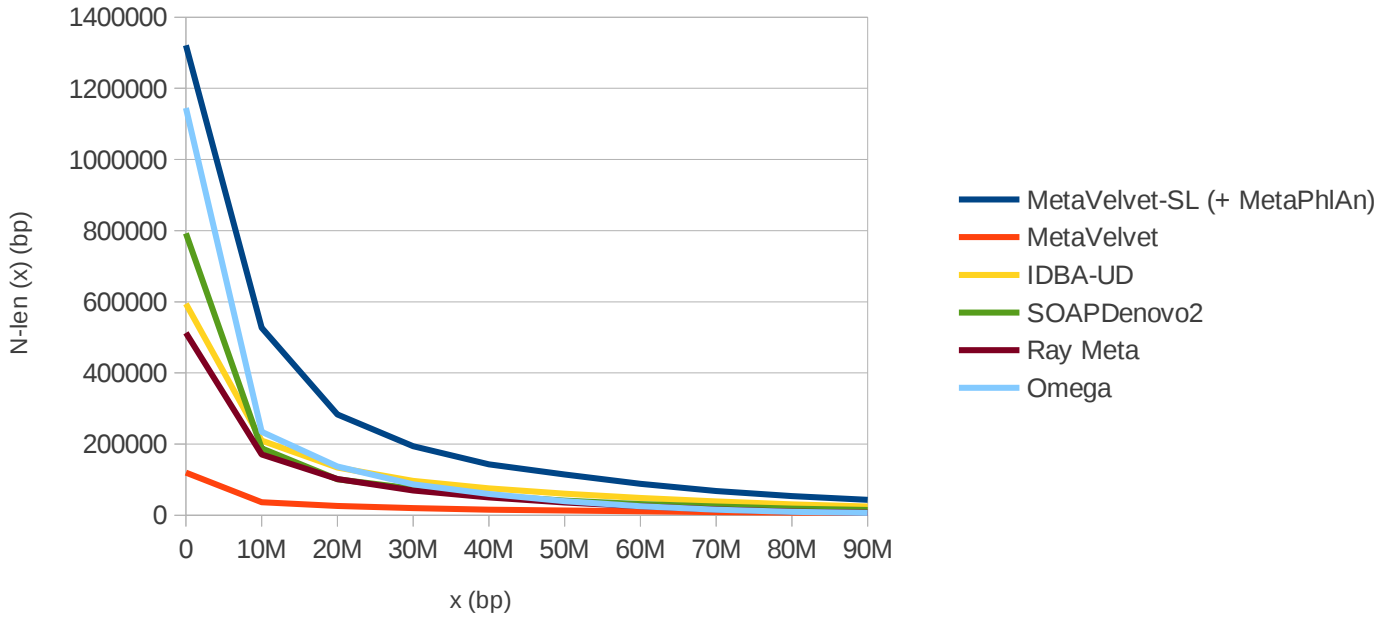


Figure S1: The N-len(x) plots for the MH0012 dataset of human gut microbial data.

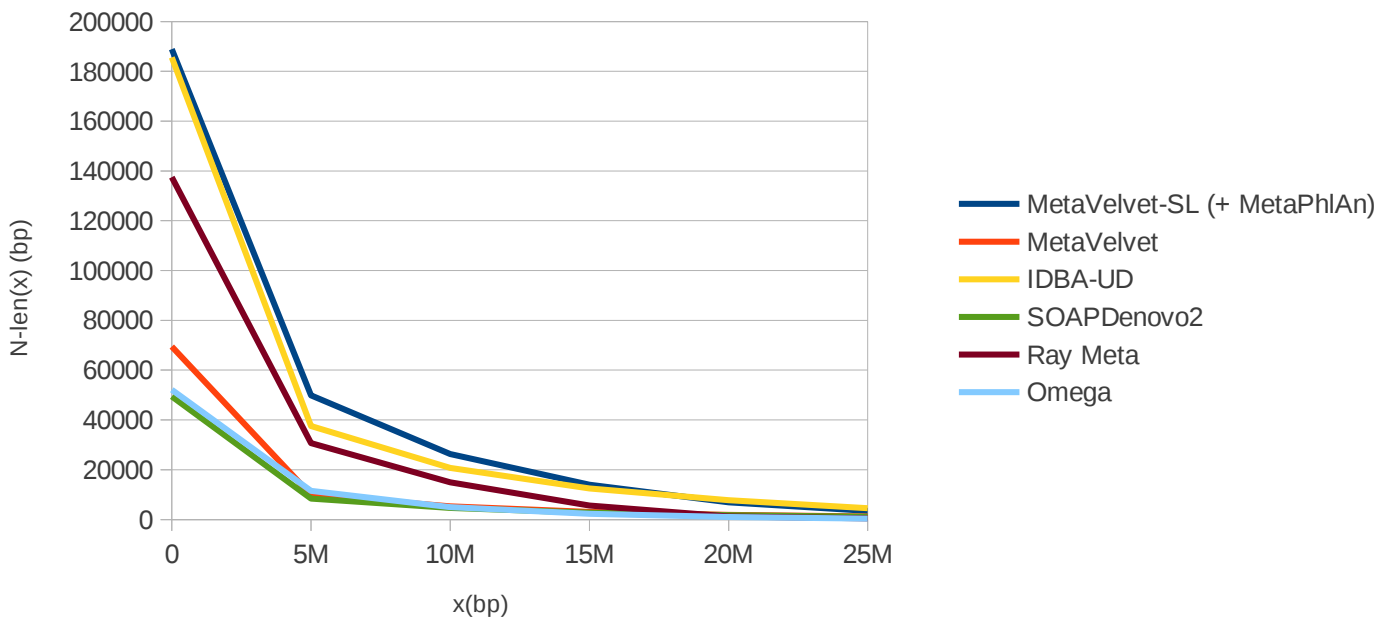


Figure S2: The N-len(x) plots for the MH0047 dataset of human gut microbial data.

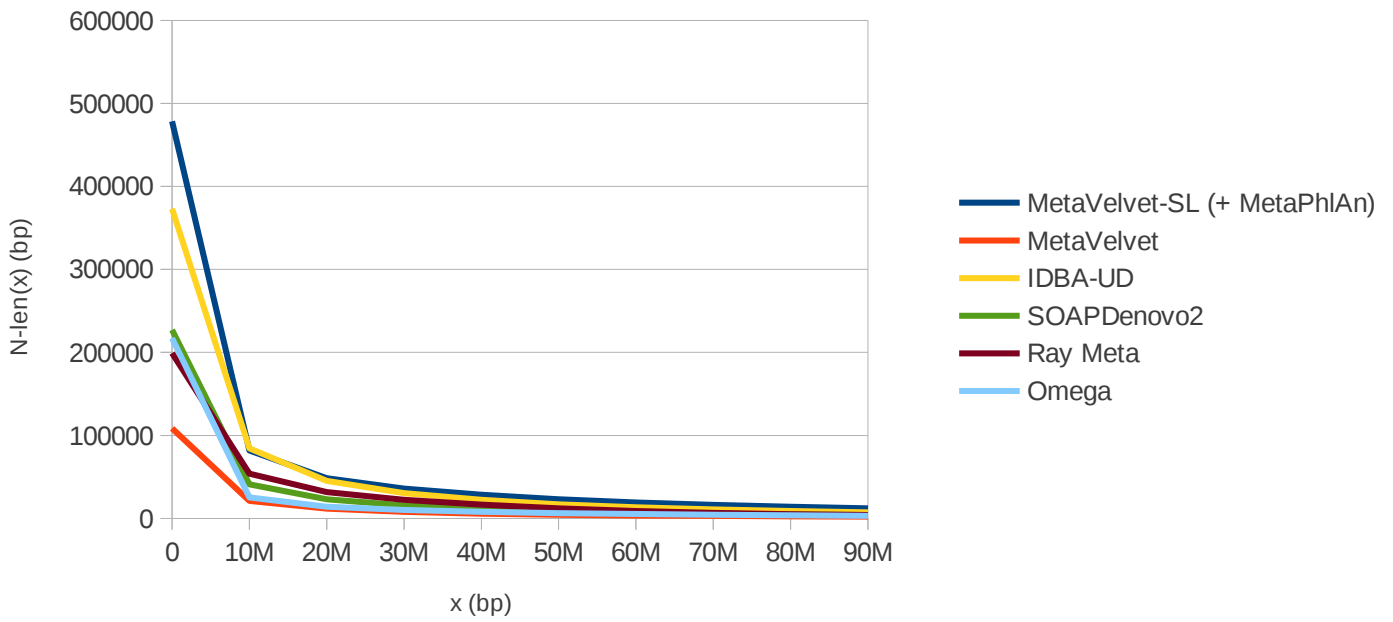


Figure S3: The N-len(x) plots for the SRS017227 dataset of human gut microbial data.

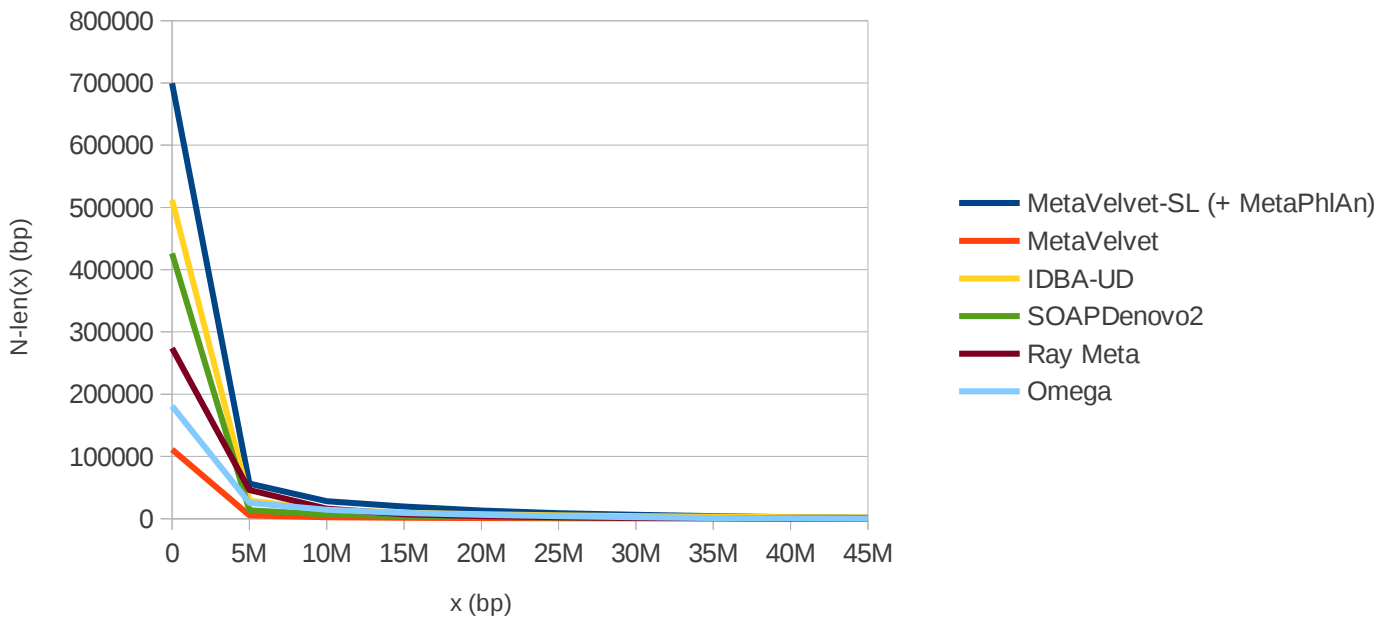


Figure S4: The N-len(x) plots for the SRS018661 dataset of human gut microbial data.

Formula to identify unique nodes in Velvet (Zerbino and Birney, 2008)

$$F(\bar{x}, n, \rho) = \frac{\log 2}{2} + n \frac{\rho^2 - \bar{x}^2}{2}$$

where

\bar{x} = the coverage of node

ρ = expected coverage of subgraph

n = the length of node

A node is “unique”, if its $F > 5$.

Procedure to determine the chimeric regions in a scaffold.

Nm50, the corrected N50 length for metagenomic assembly results, is the N50 length of the sub-scaffolds not containing any chimeric region. We cut every scaffold at chimeric mis-assembled points into sub-scaffolds so that the sub-scaffolds no longer contain any chimeric region. Chimeric regions in a scaffold were determined by two steps :

1. The best fit alignments between a scaffold and the set of input reference genomes are calculated using BLAST so that the predicted reference genome for the scaffold can be obtained. The predicted reference genome of the scaffold is the subject sequence of the alignment hit with the highest bit score. We only consider alignment hits with identity higher than 95%.
2. If any region in the scaffold is aligned to another reference genome different from the predicted reference genome for the scaffold, the region is determined as a chimeric region.

The illustration is shown in the Figure S5. A scaffold is aligned to the reference genomes. The predicted reference genome of the scaffold is the reference genome of the alignment hit with the highest bit score (colour: brown). The chimeric region is any region aligned to different reference genome with the predicted reference genome of the scaffold. In the illustration, there are two chimeric regions: chimeric region 1 and chimeric region 2. The scaffold is cut in each chimeric region into sub-scaffolds no longer containing any chimeric region. In the illustration, there are three sub-scaffolds generated: sub-scaffold a, sub-scaffold b and sub-scaffold c .

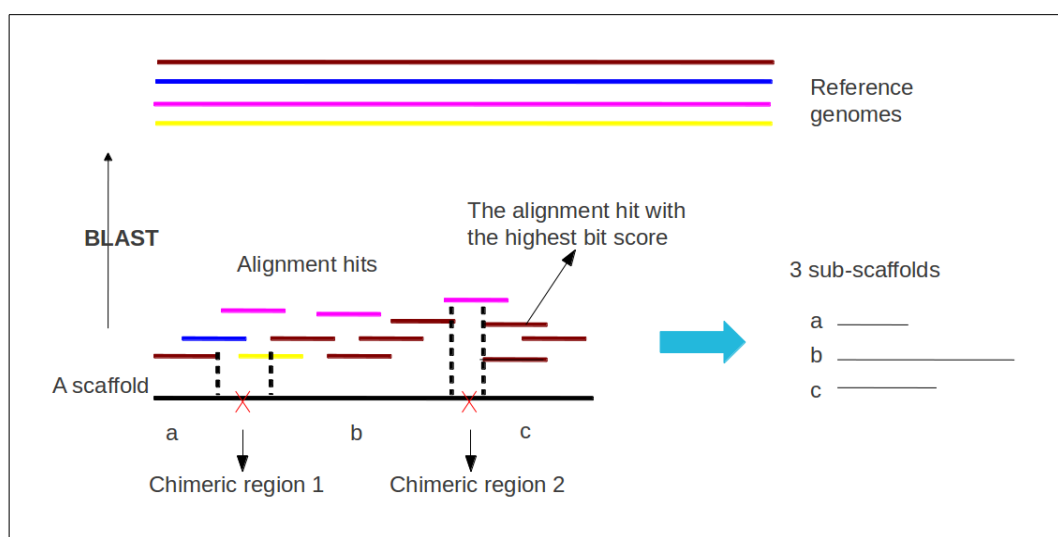


Figure S5: Illustration of the procedure to determine the chimeric regions.

Table S1 : Taxonomic profile of the order target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter	Caulobacter crescentus	NA1000	4042929	90.68	4823852
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium	Rhizobium etli	CFN 42	4381608	30.00	1729582
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Dinoroseobacter	Dinoroseobacter shibae	DFL 12	3789584	224.47	11192736
Bacteria	Proteobacteria	Alphaproteobacteria	Parvularculales	Parvularculaceae	Parvularcula	Parvularcula bermudensis	HTCC2503	2902643	57.69	2203335
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Azospirillum	Azospirillum sp.	B510	3311395	48.6	2128878
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter	Erythrobacter litoralis	HTCC2594	3052398	30.00	1204894
Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	Acidithiobacillaceae	Acidithiobacillus	Acidithiobacillus ferrooxidans	ATCC 23270	2982397	356.34	13983518
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas	Aeromonas hydrophila subsp. hydrophila	ATCC 7966	4744448	30.00	1872808
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	Alteromonas macleodii	Deep ecotype	4412282	54.35	3181606
Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae	Dichelobacter	Dichelobacter nodosus	VCS1703A	1389350	45.97	840374
Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Alkalilimnicola	Alkalilimnicola ehrlichei	MLHE-1	3275944	30.00	1293136
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Escherichia coli	str. K-12 substr. MG1655	4639675	144.19	8802562
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella	Legionella pneumophila	Paris	3503610	30.00	1383004
Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylococcus	Methylococcus capsulatus	Bath	3304561	134.78	5860378
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Chromohalobacter	Chromohalobacter salexigens	DSM 3043	3696649	30.00	1459204
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella multocida subsp. multocida	Pm70	2257487	100.76	2992952
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas putida	W619	5774330	87.97	6683787
Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Thiomicrospira	Thiomicrospira crunogena	XCL-2	2427734	99.93	3192151
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio cholerae O1 biovar eltor	N16961	2961149	174.74	6808305
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas	Xanthomonas campestris pv. campestris	B100	5079002	275.25	18394675

Table S2 : Taxonomic profile of the family target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bartonellaceae	Bartonella	Bartonella bacilliformis	KC583	1445021	124.84	2373638
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylocella	Methylocella silvestris	BL2	4305430	413.22	23409076
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Nitrobacter	Nitrobacter hamburgensis	X14	4406967	30.00	1739592
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Brucella	Brucella suis	1330	2107794	30.00	832024
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium	Hyphomicrobium denitrificans	ATCC 51888	3638969	30.16	1444096
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Methylobacterium	Methylobacterium chloromethanicum	CM4	5777908	120.26	9143388
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Mesorhizobium	Mesorhizobium loti	MAFF303099	7036071	147.34	13640720
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium	Rhizobium etli	CFN 42	4381608	35.00	2017846
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Azorhizobium	Azorhizobium caulinodans	ORS 571	5369772	56.20	3971370
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	Alteromonas macleodii	Deep ecotype	4412282	30.00	1756176
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Colwellia	Colwellia psychrerythraea	34H	5373180	30.00	2120992
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Ferrimonadaceae	Ferrimonas	Ferrimonas balearica	DSM 9799	4279159	484.74	27293152
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Idiomarinaceae	Idiomarina	Idiomarina loihiensis	L2TR	2839318	58.56	2187770
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas	Pseudoalteromonas haloplanktis	TAC125	3214944	40.58	1716610
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas	Psychromonas ingrahamii	37	4559598	141.38	8482052
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	Shewanella oneidensis	MR-1	4969803	49.15	3214030
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus subtilis subsp. subtilis	168	4214630	101.03	5603982
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria monocytogenes serotype 4b	F2365	2905187	38.08	1455652
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Brevibacillus	Brevibacillus brevis	NBRC 100599	6296436	55.90	4631194
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Alicyclobacillus	Alicyclobacillus acidocaldarius subsp. acidocaldarius	DSM 446	3018755	30.10	1195586

Table S3 : Taxonomic profile of the genus target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Yersinia	Yersinia pestis	Angola	4504254	390.28	23130530
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus Moranella	Candidatus Moranella endobia	PCIT	53294	243.89	1727428
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Sodalis	Sodalis glossinidius	morsitans	4171146	92.53	5078370
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Citrobacter	Citrobacter koseri	ATCC BAA-895	4720462	30 .00	1863340
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Cronobacter	Cronobacter sakazakii	ATCC BAA-894	4368373	30 .00	1724358
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Dickeya	Dickeya dadantii	Ech703	4679450	166.48	10250458
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Edwardsiella	Edwardsiella ictaluri	93-146	3812315	81.42	4084178
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacter	Enterobacter asburiae	LF7a	4812833	72.73	4605754
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	Erwinia billingiae	Eb661	5100167	30 .00	2013224
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Escherichia coli	str. K-12 substr. MG1655	4639675	81.31	4963842
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Klebsiella	Klebsiella variicola	At-22	5458505	30 .00	2154673
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pantoea	Pantoea vagans	C9-1	4024986	241.81	12806340
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pectobacterium	Pectobacterium atrosepticum	SCRI 1043	5064019	30 .00	1998955
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Photorhabdus	Photorhabdus asymbiotica subsp. asymbiotica	ATCC 43949	5064808	63.75	4248441
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Proteus	Proteus mirabilis	HI4320	4063606	83.65	4472640
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Rahnella	Rahnella sp.	Y9602	4864217	57.65	3689765
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Salmonella	Salmonella bongori	NCTC 12419	4460105	30 .00	1760568
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Serratia	Serratia proteamaculans	568	5448853	96.20	6897101
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Shigella	Shigella flexneri5	8401	4574284	80.21	4827675
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Xenorhabdus	Xenorhabdus bovienii	SS-2004	4225498	182.67	10156207

Table S4 : Taxonomic profile of the species target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus amyloliquefaciens	DSM 7	3980199	92.04	4820230
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus anthracis	Ames	5227293	270.68	18617416
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus atrophaeus	1942	4168266	30.04	1647562
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus cellulosityticus	DSM 2522	4681672	100.35	6181656
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus cereus	Q1	5214195	31.46	2158402
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus clausii	KSM K16	4303871	114.47	6482422
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus coagulans	36D1	3552226	215.27	10061680
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus cytotoxicus	NVH 391 98	4087024	93.45	5025426
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus halodurans	C 125	4202352	47.38	2619835
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus licheniformis	ATCC 14580	4222597	123.48	6860686
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus megaterium	DSM319	5097447	30.00	2012150
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus pseudofirmus	OF4	3858997	303.41	15406030
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus pumilus	SAFR 032	3704465	30.00	1462288
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus selenitireducens	MLS10	3592487	161.57	7637344
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus subtilis subsp. subtilis	168	4214630	30.00	1664055
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus thuringiensis	Al Hakan	5257091	240.41	16698873
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus tusciae	DSM 2912	3384766	30.00	1336092
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus weihenstephanensis	KBAB4	5262775	30.00	2077411
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Geobacillus	Geobacillus kaustophilus	HTA426	3544776	30.00	1399254
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Geobacillus	Geobacillus thermoglucosidasius	C56 YS93	3893306	42.95	2200230

Table S5 : Taxonomic profile of the genus level training dataset for the order target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter	Caulobacter segnis	ATCC21756	4655622	90.68	5554892
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium	Rhizobium leguminosarum bv.trifolii	WSM1325	4767043	30	1881728
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Ketogulonicigenium	Ketogulonicigenium vulgare	Y25	2776084	224.47	8199310
Bacteria	Proteobacteria	Alphaproteobacteria	Parvularculales	Parvularculaceae	Parvularcula	Parvularcula oceani	JLT2013	500140	57.69	379646
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Azospirillum	Azospirillum brasilense	Az39	3064393	48.6	1970082
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter	Erythrobacter	NAP1	3265065	30	1288842
Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	Acidithiobacillaceae	Acidithiobacillus	Acidithiobacillus caldus	ATCC51756	2777717	356.34	13023838
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas	Aeromonas salmonicida	A449	4702402	30	1856212
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	Alteromonas australica	H17	4308833	54.35	3081382
Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium hominis	ATCC15826	797982	45.97	482674
Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Halorhodospira	Halorhodospira halophila	SL1	2678452	30	1057284
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Escherichia albertii	TW0762	781636	144.19	1482948
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella	Legionella longbeachae	NSW150	4077332	30	1609474
Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylococcus	Methylomicrobium agile	ATCC35068	3660293	134.78	6491240
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas	Halomonas elongata	DSM2581	4061296	30	1603144
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella dagmatis	ATCC43325	308287	100.76	408724
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas entomophila	L48	5888780	87.97	6816262
Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Thiomicrospira	Thiomicrospira kuenenii	DSM12350	1421009	99.93	1868440
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio ordalii	FF93	540137	174.74	1241888
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas	Xanthomonas axonopodis	Xac291	5153455	275.25	18664322

Table S6 : Taxonomic profile of the family level training dataset for the order target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Brevundimonas	Brevundimonas subvibrioides	ATCC15264	3445263	90.68	4110742
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Agrobacterium	Agrobacterium vitis	S4	3726375	30	1470938
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Jannaschia	Jannaschia sp.	CCS1	4317977	224.47	12753372
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Thioalkalivibrio	Thioalkalivibrio sulfidophilus	HLEbGr7	3464554	57.69	2629870
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Magnetospirillum	Magnetospirillum magneticum	AMB1DNA	4967148	48.6	3193354
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Cronobacter	Cronobacter sakazakii	ATCCBAA89	4368373	30	1724358
Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	Acidithiobacillaceae	Saccharophagus	Saccharophagus degradans	240	5057531	356.34	23713166
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Tolumonas	Tolumonas auensis	DSM9187	3471292	30	1370246
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinobacter	Marinobacter aquaeolei	VT8	4326849	54.35	3094266
Bacteria	Proteobacteria	Gammaproteobacteria	Cardiobacteriales	Cardiobacteriaceae	Coriobacterium	Coriobacterium glomerans	PW2DSM20642	2115681	45.97	1279708
Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Halorhodospira	Halorhodospira halophila	SL1	2678452	30	1057284
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	Erwinia tasmaniensis	Et199	3883467	144.19	7367856
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Dickeya	Dickeya dadantii	Ech703	4679450	30	1847152
Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylomonas	Methylomonas mecanica	MC09	5051681	134.78	8958758
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas	Halomonas elongata	DSM2581	4061296	30	1603144
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Mannheimia	Mannheimia haemolytica	USDAARSUSM ARC183	2658332	100.76	3524388
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Azotobacter	Azotobacter vinelandii	DJ	5365318	87.97	6210356
Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Cycloclasticus	Cycloclasticus pugetii	PS1	2383924	99.93	3134546
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Photobacterium	Photobacterium profundum	SS9	4085304	174.74	9392974
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xylella	Xylella fastidiosa	9a5c	2679306	275.25	9703670

Table S7 : Taxonomic profile of the order level training dataset for the order target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Acidiphilium	Acidiphilium cryptum	JF5	3389227	90.68	4261852
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylocella	Methylocella silvestris	BL2	4305430	30	1799538
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Hyphomonadaceae	Hirschia	Hirschia baltica	ATCC49814	3455622	224.47	10857460
Bacteria	Proteobacteria	Gammaproteobacteria	Rhodospirillales	Acetobacteraceae	Gluconacetobacter	Gluconacetobacter diazotrophicus	PAI5	3887492	57.69	3113900
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Acetobacteraceae	Gluconobacter	Gluconobacter oxydans	H24	3602424	48.6	2466980
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Coxiellaceae	Coxiella	Coxiella burnetii	CbuGQ212	2008870	30	825294
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Colwellia	Colwellia psychrerythraea	34H	5373180	356.34	26898762
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Pseudoalteromonadaceae	Pseudoalteromonas	Pseudoalteromonas atlantica	T6c	5187005	30	2189426
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	Shewanella amazonensis	SB2B	4306142	54.35	3307388
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oceanospirillaceae	Marinomonas	Marinomonas posidonica	IVIAPo181	3899940	45.97	2481420
Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Ectothiorhodospiraceae	Alkalilimni	Alkalilimni colaehrlichii	MLHE-1	3526903	30	1504260
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Jannaschia	Jannaschia sp.	CCS1	4317977	144.19	8556126
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Novosphingobium	Novosphingobium aromaticivorans	DSM12444	3561584	30	1495822
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter baumannii	AC12	3846404	134.78	7175044
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Hahellaceae	Hahella	Hahella chejuensis	KCTC2396	7215267	30	3053308
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Psychrobacter	Psychrobacter arcticus	2734	2650701	100.76	3707430
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella catarrhalis	BBH18	1863286	87.97	2278128
Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Francisellaceae	Francisella	Francisella tularensis	SCHUS4	1892775	99.93	2589926
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Beijerinckia	Beijerinckia indica	ATCC9039	4170153	174.74	10093256
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bartonellaceae	Bartonella	Bartonella bacilliformis	KC583	1445021	275.25	5233448

Table S8 : Taxonomic profile of the genus level training dataset for the family target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bartonellaceae	Bartonella	Bartonella clarridgeiae	73	1522743	62.42	1250652
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Beijerinckia	Beijerinckia indica	ATCC9039	4170153	15.00	823056
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Nitrobacter	Nitrobacter winogradskyi	Nb255	3402093	15.00	671466
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Brucella	Brucella pinnipedialis	B294	2138342	15.00	422042
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Hyphomicrobium	Hyphomicrobium	MC1	4757528	15.08	944306
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Methylobacterium	Methylobacterium extorquens	AM1	5511322	242.37	17576040
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Mesorhizobium	Mesorhizobium ciceri biovar biserrulae	WSM1271	6264489	73.67	6072432
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Rhizobium	Rhizobium leguminosarum trifolii	WSM1325	4767043	15.59	978184
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Azorhizobium	Azorhizobium doebereineriae	UFLA1100	581759	50.53	386794
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	Alteromonas australica	H17	4308833	15.00	850428
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Colwellia	Colwellia sp.	MT41	253088	206.61	688034
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Ferrimonadaceae	Ferrimonas	Ferrimonas senticii	DSM18821	763770	60.13	604322
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Idiomarinaceae	Idiomarina	Idiomarina baltica	OS145	281428	29.28	108424
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas	Pseudoalteromonas atlantica	T6c	5187005	20.29	1384794
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas	Psychromonas sp.	CNPT3	3052410	70.69	2839142
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	Shewanella loihica	PV4	4602594	24.57	1488272
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus thuringiensis	AlHakam	5257091	28.10	1944016
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria innocua	Clip11262	3011208	19.04	754386
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Brevibacillus	Brevibacillus laterosporus	DSM25	253088	27.95	93076
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Alicyclobacillus	Alicyclobacillus macrosporangiidus	CPP55	4073483	17.45	935562

Table S9 : Taxonomic profile of the family level training dataset for the family target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Anoxybacillus	Anoxybacillus flavithermus	WK1	2846746	62.42	2338078
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylocella	Methylocella silvestris	BL2	4305430	15.00	849756
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Oligotropha	Oligotropha carboxidovorans	OM5	3595748	15.00	709688
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Brucellaceae	Brucella	Ochrobactrum anthropi	ATCC49188	2887297	15.00	569862
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	Rhodomicrobium	Rhodomicrobium vanniellii	ATCC17100	4014469	15.08	796820
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylobacteriaceae	Microvirga	Microvirga sp.	WSM3557	2401580	242.37	7658828
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Phyllobacteriaceae	Parvibaculum	Parvibaculum Lavamentivorans	DS1	3914745	73.67	3794728
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Agrobacterium	Agrobacterium vitis	S4	3726375	15.59	764642
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Starkeya	Starkeya novella	DSM506	4765023	50.53	3168114
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Marinobacter	Marinobacter aquaeolei	VT8	4326849	15.00	853984
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Exiguobacterium	Exiguobacterium sp.	GIC31	2918587	206.61	7934332
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Gracilibacillus	Gracilibacillus lacisalsi	DSM19029	513257	60.13	406108
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Candidatus liberibacter	Candidatus liberibacter asiaticus	Psy62	1227328	29.28	496454
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Bradyrhizobiaceae	Oligotropha	Oligotropha carboxidovorans	OM4	3539447	20.29	997228
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	Xanthobacter	Xanthobacter autotrophicus	Py2	5308934	70.69	5223568
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas aeruginosa	NCGM2S1	6764661	24.57	2321500
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Amphibacillus	Amphibacillus xylanus	NBRC15112	2569486	28.10	950168
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Saccharophagus	Saccharophagus degradans	240	5057531	19.04	1377368
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus sp.	Y412MC10	7121665	27.95	2619086
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Kyrpidia	Kyrpidia tusciae	T2DSM2912	3384766	17.45	777382

Table S10 : Taxonomic profile of the ordo level training dataset for the family target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Escherichia albertii	TW0762	781636	62.42	641970
Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	Azospirillum	Azospirillum brasilense	Az39	3064393	15.00	604814
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio ordalii	FF93	540137	15.00	106606
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas entomophila	L48	5888780	15.00	1162260
Bacteria	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Halomonadaceae	Halomonas	Halomonas elongata	DSM2581	4061296	15.08	806114
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella dagmatis	ATCC43325	308287	242.37	983152
Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	Staphylococcus aureus	MSSA476	2799802	73.67	2831132
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas	Aeromonas salmonicida	A449	4702402	15.59	964920
Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	Caulobacter	Caulobacter segnis	ATCC21756	4655622	50.53	3095376
Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	Staphylococcus carnosus	TM300	2566424	15.00	527610
Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Piscirickettsiaceae	Thiomicrospira	Thiomicrospira kuenenii	DSM12350	1421009	206.61	3863088
Bacteria	Proteobacteria	Gammaproteobacteria	Methylococcales	Methylococcaceae	Methylococcus	Methylomicrobium agile	ATCC35068	3660293	60.13	2896158
Bacteria	Proteobacteria	Gammaproteobacteria	Legionellales	Legionellaceae	Legionella	Legionella longbeachae	NSW150	4077332	29.28	1570846
Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Staphylococcus	Staphylococcus haemolyticus	JCSC1435	2685015	20.29	747504
Bacteria	Firmicutes	Bacilli	Bacillales	Staphylococcaceae	Firmicutes	Macrocococcus caseolyticus	JCSC5402	2102324	24.57	679798
Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Erythrobacteraceae	Erythrobacter	Erythrobacter sp.	NAP1	3265065	28.10	1207386
Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methylocystaceae	Methylocystis	Methylocystis sp.	SC2	3773444	19.04	945348
Bacteria	Proteobacteria	Gammaproteobacteria	Xanthomonadales	Xanthomonadaceae	Xanthomonas	Xanthomonas axonopodis	Xac291	5153455	27.95	1895250
Bacteria	Proteobacteria	Gammaproteobacteria	Acidithiobacillales	Acidithiobacillaceae	Acidithiobacillus	Acidithiobacillus caldus	ATCC51756	2777717	17.45	637962

Table S11 : Taxonomic profile of the genus level training dataset for the genus target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Yersinia	Yersinia pseudotuberculosis	IP32953	4744671	390.28	24365134
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus korarchaeum	Candidatus korarchaeum cryptofilum	OPF8	1590757	243.89	5104864
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Sodalis	Sodalis sp.	HS1	3938516	92.53	4795144
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Citrobacter	Citrobacter rodentium	ICC168	5346659	30.00	2110524
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Cronobacter	Cronobacter turicensis	Z3032	4384463	30.00	1730710
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Dickeya	Dickeya zeae	Ech1591	4813854	166.48	10544874
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Edwardsiella	Edwardsiella tarda	EIB202	3760463	81.42	4028644
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Enterobacter	Enterobacter sp.	MGH14	3495166	72.73	3344782
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Erwinia	Erwinia amylovora	CFBP1430	3805573	30.00	1502200
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Escherichia	Escherichia albertii	TW0762	781636	81.31	836248
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Klebsiella	Klebsiella pneumoniae	342	5641239	30.00	2226804
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pantoea	Pantoea ananatis	LMG20103	4703373	241.81	14964772
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Pectobacterium	Pectobacterium wasabiae	WPP163	5063892	30.00	1998904
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Photorhabdus	Photorhabdus luminescens laumondii	TTO1	5688987	63.75	4772012
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Proteus	Proteus mirabilis	HI4320	4063606	83.65	4472640
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Wigglesworthia	Wigglesworthia glossinidia	brevipalpis	697724	57.65	529260
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Salmonella	Salmonella enterica serovar agona	SL483	4798660	30.00	1894208
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Serratia	Serratia plymuthica	4Rx13	5328010	96.20	6744138
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Shigella	Shigella boydii	CDC308394	4615997	80.21	4871698
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Xenorhabdus	Xenorhabdus nematophila	ATCC19061	4432590	182.67	10653964

Table S12 : Taxonomic profile of the family level training dataset for the genus target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus blochmannia	Candidatus blochmannia chromaiodes	640	791219	390.28	4063118
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus blochmannia	Candidatus blochmannia floridanus		705557	243.89	2264188
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Buchnera	Buchnera aphidicola	Sg	641454	92.53	780970
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus blochmannia	Candidatus blochmannia pennsylvanicus	BPEN	791654	30.00	312496
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus blochmannia	Candidatus blochmannia vafer	BVAF	722593	30.00	285234
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Hamiltonella	Hamiltonella defensa	5AT	2110331	166.48	4622736
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Candidatus riesia	Candidatus riesia pediculicola	USDA	574390	81.42	615354
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Morganella	Morganella morganii	KT	3799539	72.73	3636058
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Buchnera	Buchnera aphidicola	5A	642122	30.00	253470
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Raoultella	Raoultella ornithinolytica	B6	5398151	81.31	5775312
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Providencia	Providencia stuartii	MRSN2154	4402109	30.00	1737674
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Wigglesworthia	Wigglesworthia glossinidia	morsitans	719535	241.81	2289352
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Arsenophonus	Arsenophonus melophagi	ArM	1155312	30.00	456044
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Arsenophonus	Arsenophonus sp.	ArN	3575339	63.75	2999050
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Arsenophonus	Arsenophonus triatominarum	ArT	2619384	83.65	2883046
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Baumannia	Baumannia cicadellinicola	HC	686194	57.65	520514
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Wigglesworthia	Wigglesworthia glossinidia	brevipalpis	697724	30.00	275418
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Buchnera	Buchnera aphidicola	G002	643517	96.20	814558
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Buchnera	Buchnera aphidicola	JF98	641771	80.21	67732
Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacteriales	Enterobacteriaceae	Buchnera	Buchnera aphidicola	Ua	615380	182.67	1479098

Table S13 : Taxonomic profile of the ordo level training dataset for the genus target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Idiomarinaceae	Idiomarina	Idiomarina loihiensis	L2TR	2839318	390.28	14580646
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas	Aeromonas salmonicida	A449	4702402	243.89	15090380
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas	Psychromonas ingrahamii	37	4559598	92.53	5551310
Bacteria	Proteobacteria	Gammaproteobacteria	Aeromonadales	Aeromonadaceae	Aeromonas	Aeromonas hydrophila subsp. hydrophila	ATCC 7966	4744448	30.00	1872808
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	Shewanella oneidensis	MR-1	4969803	30.00	1961768
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella dagmatis	ATCC43325	308287	166.48	675310
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio ordalii	FF93	540137	81.42	578658
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	Alteromonas australica	H17	4308833	72.73	4123440
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas	Pseudoalteromonas atlantica	T6c	5187005	30.00	2047502
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Idiomarinaceae	Idiomarina	Idiomarina baltica	OS145	281428	81.31	301090
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Shewanellaceae	Shewanella	Shewanella loihiica	PV4	4602594	30.00	1816814
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Psychromonadaceae	Psychromonas	Psychromonas sp.	CNPT3	3052410	241.81	9711886
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas entomophila	L48	5888780	30.00	2324518
Bacteria	Proteobacteria	Gammaproteobacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella multocida subsp. multocida	Pm70	2257487	63.75	1893616
Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	Pseudomonas	Pseudomonas putida	W619	5774330	83.65	6355562
Bacteria	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio	Vibrio cholerae O1 biovar eltor	N16961	2961149	57.65	2246188
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Colwellia	Colwellia psychrerythraea	34H	5373180	30.00	2120992
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas	Alteromonas macleodii	Deep ecotype	4412282	96.20	5631472
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Ferrimonadaceae	Ferrimonas	Ferrimonas balearica	DSM 9799	4279159	80.21	4516202
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas	Pseudoalteromonas haloplanktis	TAC125	3214944	182.67	7727288

Table S14 : Taxonomic profile of the genus level training dataset for the species target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus aerophilus	KACC16563	302985	92.04	366930
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus alcalophilus	ATCC27647	66087	270.68	235374
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus acidiproducens	DSM23148	176059	30.04	69590
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus aurantiacus	DSM18675	1812115	100.35	2392708
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus aitingensis	DSM18341	442710	31.46	183258
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus altitudinis	41KF2b	776827	114.47	1170044
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus sp.	B14905	311732	215.27	882980
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus azotoformans	LMG9581	275569	93.45	338842
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus bogoriensis	ATCCBAA922	529031	47.38	329810
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus chagannorensis	DSM18086	496250	123.48	806276
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus bataviensis	LMG21833	234467	30.00	92552
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus firmus	DS1	469348	303.41	1873748
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus mycoides	DSM2048	231697	30.00	91460
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus fordii	DSM16014	763255	161.57	1622620
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus coahuilensis	M4-4	256263	30.00	101156
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Lysinibacillus fusiformis	H1k	138825	240.41	439144
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus pseudomycoides	DSM12442	466454	30.00	184126
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Bacillus	Bacillus timonensis	MM10403188	261647	30.00	103282
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Geobacillus	Lysinibacillus sphaericus	C341	4125813	30.00	1628610
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Geobacillus	Bacillus subtilis	NattoBEST195	3320579	42.95	1876564

Table S15 : Taxonomic profile of the family level training dataset for the species target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lysinibacillus	Lysinibacillus sp.	GY32	4662822	92.04	5646922
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Anoxybacillus	Anoxybacillus flavithermus	WK1	2846746	270.68	10138910
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Amphibacillus	Amphibacillus xylanus	NBRC15112	2569486	30.04	1015624
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Exiguobacterium	Exiguobacterium sp.	GIC31	2918587	100.35	3853686
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Paucisalibacillus	Paucisalibacillus globulus	DSM18846	670977	31.46	277750
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Oceanobacillus	Oceanobacillus iheyensis	HTE831	3630528	114.47	5468244
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Exiguobacterium	Exiguobacterium	MH3	3164195	215.27	8962582
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lysinibacillus	Lysinibacillus sphaericus	C341	4639821	93.45	14677096
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Gracilibacillus	Gracilibacillus lacisalsi	DSM19029	513257	47.38	319974
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Pontibacillus	Pontibacillus halophilus	DSM19796	513663	123.48	834566
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Halalkalibacillus	Halalkalibacillus halophilus	DSM18494	568519	30.00	224416
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Salimicrobium	Salimicrobium sp.	MJ3	271263	303.41	1082946
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Halobacillus	Halobacillus halophilus	DSM2266	4150632	30.00	1638408
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Salsuginibacillus	Salsuginibacillus kocurii	DSM18087	886923	161.57	1885528
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Halobacillus	Halobacillus kuroshimensis	DSM18393	1160998	30.00	458288
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lysinibacillus	Lysinibacillus sphaericus	C341	4639821	240.41	14677096
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lentibacillus	Lentibacillus sp.	Grbi	673304	30.00	265778
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Virgibacillus	Virgibacillus sp.	CM4	1627377	30.00	642386
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lysinibacillus	Lysinibacillus fusiformis	RB21	4830949	30.00	1906954
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	Lysinibacillus	Lysinibacillus fusiformis	ZC1	362838	42.95	820208

Table S16 : Taxonomic profile of the order level training dataset for the species target assembly dataset.

Domain	Phylum	Class	Order	Family	Genus	Species	Strain	Length	Coverage	# read pairs
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Alicyclobacillus	Alicyclobacillus acidocaldarius	Tc41	3124048	92.04	3932122
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Brevibacillus	Brevibacillus brevis	NBRC 100599	6296436	270.68	104766
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Alicyclobacillus	Alicyclobacillus acidocaldarius subsp. acidocaldarius	DSM 446	3018755	30.04	3932122
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Alicyclobacillus	Alicyclobacillus macrosporangioides	CPP55	4073483	100.35	5378606
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Brevibacillus	Brevibacillus laterosporus	DSM25	253088	31.46	104766
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria innocua	Clip11262	3011208	114.47	4535434
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria ivanovii	PAM55	2928879	215.27	8296050
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus sp.	Y412MC10	7121665	93.45	8756836
Bacteria	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Saccharophagus	Saccharophagus degradans	240	5057531	47.38	3427518
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria seeligeri	SerovarSLCC3954	2797636	123.48	4790988
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria monocytogenes serotype 4b	F2365	2905187	30.00	1146784
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria welshimeri	Serovar6bSLCC5334	2814130	303.41	11790306
Bacteria	Firmicutes	Bacilli	Bacillales	Alicyclobacillaceae	Kyrpidia	Kyrpidia tusciae	T2DSM2912	3384766	30.00	1336092
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria monocytogenes	L312	2912346	161.57	6191418
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus polymyxa	CR1	6024666	30.00	2498596
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus sp.	JDR2	7184930	240.41	24031692
Bacteria	Firmicutes	Bacilli	Bacillales	Listeriaceae	Listeria	Listeria monocytogenes	M7	2976163	30.00	1235572
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus terrae	HPL003	6083395	30.00	2525250
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus sabinae	T27	5270569	30.00	2173614
Bacteria	Firmicutes	Bacilli	Bacillales	Paenibacillaceae	Paenibacillus	Paenibacillus mucilaginosus	K02	8819200	42.95	4984008

Table S17 : The taxonomic profile predicted by MetaPhlAn for the order target assembly dataset

No	Species	Coverage
1.	<i>Acidithiobacillus ferrooxidans</i>	295.12
2.	<i>Xanthomonas campestris</i>	212.08
3.	<i>Dinoroseobacter shibae</i>	180.12
4.	<i>Methylococcus capsulatus</i>	100.45
5.	<i>Escherichia coli</i>	88.54
6.	<i>Pasteurella multocida</i>	83.76
7.	<i>Vibrio cholerae</i>	81.47
8.	<i>Caulobacter crescentus</i>	78.10
9.	<i>Thiomicrospira crunogena</i>	73.09
10.	<i>Parvularcula bermudensis</i>	42.37
11.	<i>Dichelobacter nodosus</i>	33.56
12.	<i>Aeromonas hydrophila</i>	24.76
13.	<i>Legionella pneumophila</i>	24.65
14.	<i>Chromohalobacter salexigens</i>	24.29
15.	<i>Alkalilimnicola ehrlichei</i>	23.59
16.	<i>Erythrobacter litoralis</i>	22.55
17.	<i>Pseudomonas putida</i>	10.26
18.	<i>Alteromonas macleodii</i>	5.21

Table S18 : The taxonomic profile predicted by MetaPhlAn for the family target assembly dataset

No	Species	Coverage
1.	<i>Methylocella silvestris</i>	351.47
2.	<i>Nitrobacter hamburgensis</i>	188.13
3.	<i>Mesorhizobium loti</i>	124.20
4.	<i>Bartonella bacilliformis</i>	110.20
5.	<i>Colwellia psychrerythraea</i>	109.76
6.	<i>Bacillus subtilis</i>	93.82
7.	<i>Ferrimonas balearica</i>	93.18
8.	<i>Azorhizobium caulinodans</i>	48.50
9.	<i>Idiomarina loihiensis</i>	44.20
10.	<i>Shewanella oneidensis</i>	42.79
11.	<i>Brevibacillus brevis</i>	41.38
12.	<i>Pseudoalteromonas haloplanktis</i>	33.16
13.	<i>Listeria monocytogenes</i>	28.33
14.	<i>Psychromonas ingrahamii</i>	24.38
15.	<i>Methylobacterium chloromethanicum</i>	24.12
16.	<i>Hyphomicrobium denitrificans</i>	23.14
17.	<i>Alicyclobacillus alicyclobacillus</i>	22.39
18.	<i>Brucella canis</i>	18.31
19.	<i>Brucella abortus</i>	15.22
20.	<i>Brucella melitensi</i>	5.30

Table S19 : The taxonomic profile predicted by MetaPhlAn for the genus target assembly dataset

No	Species	Coverage
1.	<i>Yersinia pestis</i>	200.93
2.	<i>Xenorhabdus bovienii</i>	122.89
3.	<i>Sodalis glossinidius</i>	70.47
4.	<i>Serratia proteamaculans</i>	61.73
5.	<i>Proteus mirabilis</i>	60.21
6.	<i>Pantoea vagans</i>	58.79
7.	<i>Edwardsiella ictaluri</i>	52.77
8.	<i>Shigella flexneri</i>	50.43
9.	<i>Escherichia coli</i>	42.10
10.	<i>Photorhabdus asymbiotica</i>	40.80
11.	<i>Dickeya dadantii</i>	23.03
12.	<i>Citrobacter koseri</i>	21.00
13.	<i>Pectobacterium carotovora</i>	19.22
14.	<i>Cronobacter sakazakii</i>	19.15
15.	<i>Klebsiella variicola</i>	18.31
16.	<i>Erwinia billingiae</i>	12.00
17.	<i>Salmonella enterica</i>	2.32
18.	<i>Enterobacter cloacae</i>	2.19

Table S20 : The taxonomic profile predicted by MetaPhlAn for the species target assembly dataset

No	Species	Coverage
1.	Bacillus anthracis	313.61
2.	Bacillus cereus	303.63
3.	Bacillus coagulans	231.67
4.	Bacillus subtilis	205.40
5.	Bacillus thuringiensis	186.69
6.	Bacillus licheniformis	123.48
7.	Bacillus clausii	117.86
8.	Bacillus amyloliquefaciens	116.37
9.	Bacillus cellulosilyticus	106.58
10.	Bacillus halodurans	48.32
11.	Geobacillus thermoglucosidasius	39.64
12.	Bacillus megaterium	36.40
13.	Bacillus atrophaeus	35.47
14.	Bacillus pseudofirmus	32.72
15.	Bacillus pumilus	32.49
16.	Geobacillus kaustophilus	30.53
17.	Bacillus selenitireducens	30.40
18.	Bacillus weihenstephanensis	8.21
19.	Anoxybacillus flavithermus	0.02

Table S21 : The identification of chimeric nodes by MetaVelvet-SL using classification models gerated from the taxonomy profile inferred by MetaPhlAn for real datasets of human gut microbial data.

Dataset	Positive (+)		Negative (-)
	Class 1	Class 2	Class 3
MH0006	6896	0	64391
MH0012	3805	14	46244
MH0047	1905	242	6413
SRS017227	58564	3427	123746
SRS018661	9466	0	37863

Table S22 : The taxonomic profile predicted by MetaPhlAn for the MH0006 dataset

No.	Species	Coverage (%)
1	<i>Actinomyces odontolyticus</i>	0.00083
2	<i>Mycobacterium unclassified</i>	0.01007
3	<i>Bifidobacterium adolescentis</i>	0.01411
4	<i>Bifidobacterium longum</i>	0.02092
5	<i>Bifidobacterium unclassified</i>	0.0135
6	<i>Collinsella aerofaciens</i>	0.19865
7	<i>Collinsella stercoris</i>	0.00024
8	<i>Gordonibacter pamelaee</i>	0.00014
9	<i>Slackia unclassified</i>	0.05366
10	<i>Bacteroides caccae</i>	0.10729
11	<i>Bacteroides coprocola</i>	0.00116
12	<i>Bacteroides coprophilus</i>	0.00061
13	<i>Bacteroides dorei</i>	0.02719
14	<i>Bacteroides eggerthii</i>	2.01184
15	<i>Bacteroides finegoldii</i>	0.00215
16	<i>Bacteroides helcogenes</i>	0.00241
17	<i>Bacteroides ovatus</i>	0.00433
18	<i>Bacteroides pectinophilus</i>	0.00094
19	<i>Bacteroides plebeius</i>	0.00136
20	<i>Bacteroides salanitronis</i>	0.00149
21	<i>Bacteroides stercoris</i>	0.04667
22	<i>Bacteroides thetaiotaomicron</i>	0.01719
23	<i>Bacteroides unclassified</i>	3.75135
24	<i>Bacteroides vulgatus</i>	1.20529
25	<i>Bacteroides xylanisolvens</i>	0.11776
26	<i>Odoribacter splanchnicus</i>	0.60652
27	<i>Parabacteroides distasonis</i>	0.0021
28	<i>Parabacteroides johnsonii</i>	0.03426
29	<i>Parabacteroides merdae</i>	0.13668
30	<i>Parabacteroides unclassified</i>	0.20743
31	<i>Prevotella bergensis</i>	0.00399
32	<i>Prevotella bivia</i>	0.0003
33	<i>Prevotella buccae</i>	0.01313
34	<i>Prevotella buccalis</i>	0.00188
35	<i>Prevotella copri</i>	54.23561
36	<i>Prevotella disiens</i>	0.0072
37	<i>Prevotella marshii</i>	0.00148

38	<i>Prevotella multiformis</i>	0.00259
39	<i>Prevotella oralis</i>	0.00041
40	<i>Prevotella oris</i>	0.00012
41	<i>Prevotella ruminicola</i>	0.00104
42	<i>Alistipes putredinis</i>	6.92968
43	<i>Alistipes shahii</i>	0.57223
44	<i>Enterococcus unclassified</i>	0.00085
45	<i>Lactobacillus ruminis</i>	0.05968
46	<i>Streptococcus parasanguinis</i>	0.01198
47	<i>Streptococcus salivarius</i>	0.00946
48	<i>Clostridium asparagiforme</i>	0.00176
49	<i>Clostridium bolteae</i>	0.02018
50	<i>Clostridium cf</i>	0.00779
51	<i>Clostridium hathewayi</i>	0.00035
52	<i>Clostridium leptum</i>	0.00743
53	<i>Clostridium methylpentosum</i>	0.00039
54	<i>Clostridium nexile</i>	0.00091
55	<i>Clostridium saccharolyticum</i>	0.00023
56	<i>Clostridium scindens</i>	0.00103
57	<i>Clostridium symbiosum</i>	0.0015
58	<i>Pseudoflavonifractor capillosus</i>	0.0156
59	<i>Anaerococcus unclassified</i>	0.00083
60	<i>Peptoniphilus unclassified</i>	0.00339
61	<i>Blautia hansenii</i>	0.0003
62	<i>Blautia hydrogenotrophica</i>	0.00011
63	<i>Blautia unclassified</i>	0.46581
64	<i>Eubacterium eligens</i>	0.89791
65	<i>Eubacterium hallii</i>	0.46406
66	<i>Eubacterium rectale</i>	0.04896
67	<i>Eubacterium siraeum</i>	0.00753
68	<i>Eubacterium ventriosum</i>	0.12054
69	<i>Butyrivibrio crossotus</i>	9.96091
70	<i>Coprococcus catus</i>	0.15195
71	<i>Coprococcus comes</i>	0.56243
72	<i>Dorea formicigenerans</i>	0.2435
73	<i>Dorea longicatena</i>	0.43978
74	<i>Marvinbryantia formatexigens</i>	0.00071
75	<i>Oribacterium sinus</i>	0.00046
76	<i>Roseburia intestinalis</i>	0.34135
77	<i>Roseburia inulinivorans</i>	1.04753

78	<i>Anaerotruncus colihominis</i>	0.00414
79	<i>Faecalibacterium cf</i>	0.25602
80	<i>Faecalibacterium prausnitzii</i>	4.18124
81	<i>Faecalibacterium unclassified</i>	0.64993
82	<i>Ruminococcus albus</i>	0.00756
83	<i>Ruminococcus bromii</i>	2.69545
84	<i>Ruminococcus gnavus</i>	0.02897
85	<i>Ruminococcus lactaris</i>	0.00417
86	<i>Ruminococcus obeum</i>	0.21542
87	<i>Ruminococcus torques</i>	0.07772
88	<i>Subdoligranulum variabile</i>	0.07944
89	<i>Catenibacterium mitsuokai</i>	0.3744
90	<i>Coprobacillus bacterium</i>	0.00098
91	<i>Holdemania filiformis</i>	0.00813
92	<i>Phascolarctobacterium unclassified</i>	5.10549
93	<i>Veillonella atypica</i>	0.00013
94	<i>Veillonella dispar</i>	0.00064
95	<i>Veillonella unclassified</i>	0.00498
96	<i>Victivallis vadensis</i>	0.066
97	<i>Candidatus Zinderia unclassified</i>	0.00015
98	<i>Bilophila wadsworthia</i>	0.08293
99	<i>Desulfovibrio desulfuricans</i>	0.28546
100	<i>Desulfovibrio piger</i>	0.46813
101	<i>Escherichia coli</i>	0.0036
102	<i>Escherichia unclassified</i>	0.0003
103	<i>Haemophilus parainfluenzae</i>	0.00494
104	<i>Akkermansia muciniphila</i>	0.01344

Table S23 : The taxonomic profile predicted by MetaPhlAn for the MH0012 dataset

No.	Species	Coverage (%)
1	Methanobrevibacter smithii	0.79152
2	Methanobrevibacter unclassified	0.00764
3	Actinomyces odontolyticus	0.01588
4	Rothia mucilaginosa	0.00807
5	Rothia unclassified	0.00384
6	Mycobacterium unclassified	0.04043
7	Bifidobacterium adolescentis	2.87375
8	Bifidobacterium angulatum	0.00485
9	Bifidobacterium bifidum	0.06723
10	Bifidobacterium breve	0.01385
11	Bifidobacterium catenulatum	0.00179
12	Bifidobacterium dentium	0.02203
13	Bifidobacterium gallicum	0.00081
14	Bifidobacterium longum	2.36531
15	Bifidobacterium pseudocatenulatum	0.00206
16	Collinsella aerofaciens	0.77142
17	Collinsella stercoris	0.00056
18	Eggerthella lenta	0.01367
19	Gordonibacter pamelaeae	0.00217
20	Slackia unclassified	0.05594
21	Bacteroides caccae	0.01968
22	Bacteroides cellulosilyticus	8.56915
23	Bacteroides coprocola	0.00125
24	Bacteroides coprophilus	0.0007
25	Bacteroides dorei	0.00448
26	Bacteroides eggerthii	0.0083
27	Bacteroides finegoldii	0.0013
28	Bacteroides fragilis	0.00097
29	Bacteroides helcogenes	0.01655
30	Bacteroides intestinalis	0.89081
31	Bacteroides pectinophilus	0.00143
32	Bacteroides plebeius	0.00279
33	Bacteroides salanitronis	0.00145
34	Bacteroides stercoris	0.00748
35	Bacteroides thetaiotaomicron	0.20746
36	Bacteroides unclassified	14.95133
37	Bacteroides uniformis	0.00243
38	Bacteroides vulgatus	0.09977
39	Bacteroides xylanisolvens	0.00294
40	Odoribacter splanchnicus	2.95047

41	<i>Parabacteroides distasonis</i>	0.05494
42	<i>Parabacteroides johnsonii</i>	0.17964
43	<i>Parabacteroides merdae</i>	0.88973
44	<i>Parabacteroides unclassified</i>	0.43404
45	<i>Porphyromonas asaccharolytica</i>	0.01641
46	<i>Porphyromonas uenonis</i>	0.00124
47	<i>Prevotella bivia</i>	0.00352
48	<i>Prevotella buccalis</i>	0.00061
49	<i>Prevotella copri</i>	0.00388
50	<i>Prevotella melaninogenica</i>	0.01374
51	<i>Prevotella multiformis</i>	0.00152
52	<i>Prevotella timonensis</i>	0.01115
53	<i>Alistipes putredinis</i>	13.19879
54	<i>Alistipes shahii</i>	2.16517
55	<i>Enterococcus unclassified</i>	0.00213
56	<i>Lactobacillus crispatus</i>	0.00357
57	<i>Leuconostoc mesenteroides</i>	0.00055
58	<i>Lactococcus lactis</i>	0.00818
59	<i>Streptococcus parasanguinis</i>	0.00658
60	<i>Streptococcus salivarius</i>	0.01094
61	<i>Clostridium asparagiforme</i>	0.00585
62	<i>Clostridium bartlettii</i>	0.0838
63	<i>Clostridium bolteae</i>	0.02177
64	<i>Clostridium cf</i>	0.12036
65	<i>Clostridium hathewayi</i>	0.00127
66	<i>Clostridium leptum</i>	0.03763
67	<i>Clostridium methylpentosum</i>	0.00391
68	<i>Clostridium nexile</i>	0.00244
69	<i>Clostridium scindens</i>	0.00558
70	<i>Clostridium symbiosum</i>	0.00054
71	<i>Pseudoflavonifractor capillosus</i>	0.08103
72	<i>Anaerococcus unclassified</i>	0.0019
73	<i>Peptoniphilus unclassified</i>	0.01563
74	<i>Blautia hansenii</i>	0.00041
75	<i>Blautia unclassified</i>	0.67013
76	<i>Eubacterium eligens</i>	2.19713
77	<i>Eubacterium hallii</i>	0.44597
78	<i>Eubacterium rectale</i>	1.76344
79	<i>Eubacterium siraeum</i>	0.20007
80	<i>Eubacterium ventriosum</i>	0.06096
81	<i>Anaerostipes caccae</i>	0.00247
82	<i>Butyrivibrio crossotus</i>	0.01679

83	Butyrivibrio unclassified	0.17857
84	Coprococcus catus	0.15243
85	Coprococcus comes	1.06772
86	Dorea formicigenerans	0.27046
87	Dorea longicatena	1.6051
88	Marvinbryantia formatexigens	0.00336
89	Roseburia intestinalis	0.06859
90	Roseburia inulinivorans	0.06367
91	Anaerotruncus colihominis	0.0135
92	Ethanoligenens harbinense	0.00073
93	Faecalibacterium cf	1.69417
94	Faecalibacterium prausnitzii	2.93174
95	Faecalibacterium unclassified	2.4757
96	Ruminococcus albus	0.00629
97	Ruminococcus bromii	12.92122
98	Ruminococcus gnavus	0.00236
99	Ruminococcus lactaris	0.38497
100	Ruminococcus obeum	0.41698
101	Ruminococcus torques	0.30669
102	Subdoligranulum variabile	0.22113
103	Catenibacterium mitsuokai	1.6573
104	Coprobacillus bacterium	0.00655
105	Holdemania filiformis	0.25814
106	Solobacterium moorei	0.00363
107	Turicibacter unclassified	0.00244
108	Acidaminococcus fermentans	0.00131
109	Phascolarctobacterium unclassified	0.002
110	Megasphaera micronuciformis	0.00207
111	Mitsuokella multacida a	3.8412
112	Selenomonas sputigen	0.00044
113	Selenomonas unclassified	0.03973
114	Veillonella atypica	0.00834
115	Veillonella dispar	0.00265
116	Veillonella parvula	0.02108
117	Veillonella unclassified	0.02653
118	Victivallis vadensis	0.01735
119	Burkholderia unclassified	0.00991
120	Candidatus Zinderia unclassified	0.0076
121	Oxalobacter formigenes	0.08099
122	Sutterella wadsworthensis	0.99217
123	Bilophila wadsworthia	0.17234
124	Desulfovibrio desulfuricans	0.35862

125	<i>Campylobacter hominis</i>	0.00454
126	<i>Succinatimonas hippei</i>	0.62084
127	Candidatus <i>Carsonella ruddii</i>	0.00164
128	<i>Citrobacter unclassified</i>	0.0025
129	<i>Escherichia coli</i>	0.88315
130	<i>Haemophilus parainfluenzae</i>	0.15741
131	<i>Pseudomonas unclassified</i>	0.00319
132	<i>Deinococcus unclassified</i>	0.00237
133	<i>Akkermansia muciniphila</i>	7.87018

Table S24 : The taxonomic profile predicted by MetaPhlAn for the MH0047 dataset

No.	Species	Coverage (%)
1	<i>Bifidobacterium adolescentis</i>	1.42269
2	<i>Bifidobacterium longum</i>	0.17281
3	<i>Collinsella aerofaciens</i>	0.13269
4	<i>Bacteroides caccae</i>	1.91235
5	<i>Bacteroides cellulosilyticus</i>	0.04845
6	<i>Bacteroides coprocola</i>	0.00405
7	<i>Bacteroides coprophilus</i>	0.00723
8	<i>Bacteroides dorei</i>	0.02975
9	<i>Bacteroides eggerthii</i>	1.44989
10	<i>Bacteroides finegoldii</i>	0.00424
11	<i>Bacteroides fragilis</i>	0.03245
12	<i>Bacteroides ovatus</i>	0.12096
13	<i>Bacteroides plebeius</i>	0.49986
14	<i>Bacteroides salanitronis</i>	8.06418
15	<i>Bacteroides stercoris</i>	0.23805
16	<i>Bacteroides unclassified</i>	14.26997
17	<i>Bacteroides uniformis</i>	0.2608
18	<i>Bacteroides vulgatus</i>	2.92952
19	<i>Bacteroides xylanisolvens</i>	0.34885
20	<i>Odoribacter splanchnicus</i>	1.35725
21	<i>Parabacteroides distasonis</i>	0.24968
22	<i>Parabacteroides johnsonii</i>	0.05548
23	<i>Parabacteroides merdae</i>	0.65483
24	<i>Parabacteroides unclassified</i>	0.29175
25	<i>Alistipes putredinis</i>	13.10953
26	<i>Alistipes shahii</i>	1.44786
27	<i>Streptococcus mutans</i>	0.01654
28	<i>Streptococcus parasanguinis</i>	0.05671
29	<i>Streptococcus salivarius</i>	0.07287
30	<i>Clostridium asparagiforme</i>	0.02126
31	<i>Clostridium bartlettii</i>	0.61844
32	<i>Clostridium cf</i>	0.22457
33	<i>Clostridium leptum</i>	0.11801
34	<i>Clostridium nexile</i>	11.45715
35	<i>Pseudoflavonifractor capillosus</i>	0.35284
36	<i>Blautia unclassified</i>	0.681
37	<i>Eubacterium hallii</i>	0.32805

38	Eubacterium rectale	2.51839
39	Eubacterium siraeum	4.6827
40	Butyrivibrio unclassified	0.00916
41	Coprococcus catus	0.05056
42	Coprococcus comes	0.23222
43	Dorea formicigenerans	0.08341
44	Dorea unclassified	0.01655
45	Roseburia intestinalis	2.32058
46	Roseburia inulinivorans	0.04956
47	Anaerotruncus colihominis	0.01297
48	Faecalibacterium cf	0.88555
49	Faecalibacterium prausnitzii	0.83598
50	Faecalibacterium unclassified	0.28332
51	Ruminococcus bromii	5.96385
52	Ruminococcus gnavus	7.67142
53	Ruminococcus obeum	0.34787
54	Ruminococcus torques	0.67722
55	Subdoligranulum variabile	0.0862
56	Coprobacillus bacterium	1.7778
57	Holdemania filiformis	0.12442
58	Phascolarctobacterium unclassified	6.40517
59	Veillonella atypica	0.04381
60	Veillonella dispar	0.04371
61	Veillonella unclassified	0.17813
62	Victivallis vadensis	0.03391
63	Bilophila wadsworthia	0.49395
64	Desulfovibrio desulfuricans	0.33353
65	Desulfovibrio piger	0.35435
66	Escherichia coli	0.09425
67	Prevotella buccae	0.005

Table S25 : The taxonomic profile predicted by MetaPhlAn for the SRS017227 dataset

No.	Species	Coverage (%)
1	<i>Lautropia mirabilis</i>	14.70585
2	<i>Corynebacterium matruchotii</i>	12.87123
3	<i>Neisseria elongata</i>	7.89805
4	<i>Capnocytophaga sputigena</i>	7.19035
5	<i>Capnocytophaga gingivalis</i>	4.51523
6	<i>Neisseria flavescens</i>	4.16504
7	<i>Aggregatibacter segnis</i>	4.12745
8	<i>Aggregatibacter aphrophilus</i>	3.97433
9	<i>Cardiobacterium hominis</i>	3.34601
10	<i>Haemophilus parainfluenzae</i>	2.7273
11	<i>Neisseria sicca</i>	2.68083
12	<i>Capnocytophaga ochracea</i>	1.98778
13	<i>Neisseria mucosa</i>	1.98358
14	<i>Fusobacterium nucleatum</i>	1.74169
15	<i>Campylobacter showae</i>	1.62199
16	<i>Kingella denitrificans</i>	1.57152
17	<i>Campylobacter gracilis</i>	1.45685
18	<i>Veillonella parvula</i>	1.44265
19	<i>Eikenella corrodens</i>	1.34903
20	<i>Treponema vincentii</i>	1.31729
21	<i>Prevotella oris</i>	1.19069
22	<i>Prevotella tanneriae</i>	1.07383
23	<i>Leptotrichia unclassified</i>	0.88596
24	<i>Selenomonas noxia</i>	0.85609
25	<i>Selenomonas sputigena</i>	0.85004
26	<i>Porphyromonas endodontalis</i>	0.77862
27	<i>Veillonella unclassified</i>	0.75352
28	<i>Leptotrichia hofstadii</i>	0.65234
29	<i>Actinomyces viscosus</i>	0.62298
30	<i>Leptotrichia buccalis</i>	0.61686
31	<i>Streptococcus sanguinis</i>	0.58799
32	<i>Catonella morbi</i>	0.58137
33	<i>Streptococcus mitis</i>	0.5789
34	<i>Dialister invisus</i>	0.53868
35	<i>Granulicatella adiacens</i>	0.41977
36	<i>Gemella moribillum</i>	0.36168
37	<i>Actinomyces oris</i>	0.31598
38	<i>Selenomonas artemidis</i>	0.31059
39	<i>Prevotella marshii</i>	0.30738
40	<i>Campylobacter rectus</i>	0.29366

41	<i>Neisseria subflava</i>	0.17734
42	<i>Eubacterium saburreum</i>	0.14372
43	<i>Rothia dentocariosa</i>	0.14158
44	<i>Streptococcus oralis</i>	0.13944
45	<i>Streptococcus cristatus</i>	0.13615
46	<i>Campylobacter concisus</i>	0.12499
47	<i>Prevotella veroralis</i>	0.10961
48	<i>Actinomyces odontolyticus</i>	0.09761
49	<i>Granulicatella elegans</i>	0.0863
50	<i>Leptotrichia goodfellowii</i>	0.08582
51	<i>Atopobium rimae</i>	0.07269
52	<i>Haemophilus influenzae</i>	0.06659
53	<i>Neisseria meningitidis</i>	0.0606
54	<i>Fusobacterium periodonticum</i>	0.05745
55	<i>Treponema denticola</i>	0.04746
56	<i>Peptoniphilus unclassified</i>	0.04201
57	<i>Gemella haemolysans</i>	0.03466
58	<i>Streptococcus infantis</i>	0.02494
59	<i>Megasphaera micronuciformis</i>	0.02045
60	<i>Selenomonas flueggei</i>	0.01722
61	<i>Rothia mucilaginosa</i>	0.014
62	<i>Neisseria cinerea</i>	0.01315
63	<i>Atopobium parvulum</i>	0.00925
64	<i>Bacteroides vulgatus</i>	0.00874
65	<i>Bacteroides unclassified</i>	0.00861
66	<i>Neisseria gonorrhoeae</i>	0.00859
67	<i>Oribacterium sinus</i>	0.00738
68	<i>Streptococcus australis</i>	0.00651
69	<i>Streptococcus gordonii</i>	0.00583
70	<i>Alistipes putredinis</i>	0.00476
71	<i>Streptococcus salivarius</i>	0.00475
72	<i>Solobacterium moorei</i>	0.00437
73	<i>Neisseria polysaccharea</i>	0.00389
74	<i>Veillonella dispar</i>	0.00138
75	<i>Prevotella salivae</i>	0.00101
76	<i>Prevotella copri</i>	0.00099
77	<i>Bacteroides caccae</i>	0.00084
78	<i>Propionibacterium acnes</i>	0.00081
79	<i>Actinomyces urogenitalis</i>	0.00053
80	<i>Veillonella atypica</i>	0.00049
81	<i>Slackia exigua</i>	0.00047
82	<i>Streptococcus parasanguinis</i>	0.00047

83	<i>Parabacteroides merdae</i>	0.00036
84	<i>Bacteroides ovatus</i>	0.00035
85	<i>Streptococcus peroris</i>	0.00019
86	<i>Aggregatibacter actinomycetemcomitans</i>	9e-05

Table S26 : The taxonomic profile predicted by MetaPhlAn for the SRS018661 dataset

No.	Species	Coverage (%)
1	<i>Streptococcus mitis</i>	31.48217
2	<i>Haemophilus parainfluenzae</i>	24.47842
3	<i>Streptococcus sanguinis</i>	4.61514
4	<i>Neisseria mucosa</i>	3.59988
5	<i>Abiotrophia defectiva</i>	3.54552
6	<i>Streptococcus infantis</i>	3.43131
7	<i>Gemella haemolysans</i>	2.92807
8	<i>Veillonella parvula</i>	2.21204
9	<i>Neisseria sicca</i>	2.02929
10	<i>Rothia dentocariosa</i>	1.98869
11	<i>Veillonella unclassified</i>	1.90907
12	<i>Streptococcus oralis</i>	1.72239
13	<i>Prevotella melaninogenica</i>	1.58671
14	<i>Rothia mucilaginosa</i>	1.4698
15	<i>Neisseria flavescens</i>	1.33677
16	<i>Haemophilus influenzae</i>	1.29628
17	<i>Streptococcus gordonii</i>	1.15805
18	<i>Actinomyces odontolyticus</i>	0.74638
19	<i>Gemella moribillum</i>	0.70625
20	<i>Actinomyces oris</i>	0.6702
21	<i>Fusobacterium nucleatum</i>	0.50795
22	<i>Granulicatella elegans</i>	0.42218
23	<i>Streptococcus cristatus</i>	0.40701
24	<i>Actinomyces viscosus</i>	0.37065
25	<i>Streptococcus australis</i>	0.33662
26	<i>Granulicatella adiacens</i>	0.33506
27	<i>Veillonella atypica</i>	0.31405
28	<i>Campylobacter concisus</i>	0.2806
29	<i>Capnocytophaga sputigena</i>	0.26398
30	<i>Streptococcus parasanguinis</i>	0.23954
31	<i>Oribacterium sinus</i>	0.23174
32	<i>Veillonella dispar</i>	0.21931
33	<i>Acidovorax unclassified</i>	0.21516
34	<i>Aggregatibacter segnis</i>	0.21107
35	<i>Streptococcus peroris</i>	0.1985
36	<i>Capnocytophaga ochracea</i>	0.19732
37	<i>Prevotella tanneriae</i>	0.1707
38	<i>Capnocytophaga gingivalis</i>	0.16015
39	<i>Megasphaera micronuciformis</i>	0.12368
40	<i>Neisseria elongata</i>	0.11335

41	<i>Streptococcus salivarius</i>	0.10814
42	<i>Kingella oralis</i>	0.10379
43	<i>Atopobium parvulum</i>	0.09092
44	<i>Prevotella salivae</i>	0.08996
45	<i>Solobacterium moorei</i>	0.08367
46	<i>Corynebacterium matruchotii</i>	0.07413
47	<i>Acinetobacter junii</i>	0.07112
48	<i>Neisseria subflava</i>	0.06826
49	<i>Eikenella corrodens</i>	0.05846
50	<i>Leptotrichia buccalis</i>	0.05378
51	<i>Leptotrichia unclassified</i>	0.05241
52	<i>Prevotella oris</i>	0.0498
53	<i>Campylobacter showae</i>	0.04522
54	<i>Parvimonas micros</i>	0.03866
55	<i>Leptotrichia hofstadii</i>	0.03665
56	<i>Eubacterium saburreum</i>	0.0359
57	<i>Cardiobacterium hominis</i>	0.0338
58	<i>Streptococcus pneumoniae</i>	0.02831
59	<i>Peptostreptococcus stomatis</i>	0.02787
60	<i>Prevotella veroralis</i>	0.02707
61	<i>Lautropia mirabilis</i>	0.02552
62	<i>Aggregatibacter aphrophilus</i>	0.02469
63	<i>Dialister invisus</i>	0.02373
64	<i>Propionibacterium acnes</i>	0.02113
65	<i>Fusobacterium periodonticum</i>	0.02103
66	<i>Prevotella multiformis</i>	0.01983
67	<i>Selenomonas unclassified</i>	0.01735
68	<i>Campylobacter rectus</i>	0.01589
69	<i>Atopobium rimae</i>	0.0117
70	<i>Selenomonas noxia</i>	0.01148
71	<i>Streptococcus thermophilus</i>	0.01115
72	<i>Treponema vincentii</i>	0.00866
73	<i>Treponema denticola</i>	0.00837
74	<i>Escherichia unclassified</i>	0.00549
75	<i>Campylobacter gracilis</i>	0.00524
76	<i>Peptoniphilus unclassified</i>	0.00468
77	<i>Porphyromonas endodontalis</i>	0.00441
78	<i>Eubacterium saphenum</i>	0.00436
79	<i>Bifidobacterium dentium</i>	0.00397
80	<i>Streptococcus anginosus</i>	0.00363
81	<i>Selenomonas sputigena</i>	0.0029
82	<i>Selenomonas artemidis</i>	0.00285

83	Propionibacterium unclassified	0.00212
84	Anaerococcus unclassified	0.00201
85	Neisseria gonorrhoeae	0.002
86	Catonella morbi	0.00198
87	Escherichia coli	0.00135
88	Alicyclophilus denitrificans	0.00102
89	Selenomonas flueggei	0.00095

Table S27 : The taxonomic profile predicted from the assembly results of MetaVelvet-SL using BLAST for the MH0006 dataset.

No	Species
1	Actinomyces odontolyticus
2	Akkermansia muciniphila
3	Alistipes putredinis
4	Alistipes shahii
5	Anaerococcus unclassified
6	Anaerotruncus colihominis
7	Bacteroides caccae
8	Bacteroides coprocola
9	Bacteroides coprophilus
10	Bacteroides dorei
11	Bacteroides eggerthii
12	Bacteroides finegoldii
13	Bacteroides helcogenes
14	Bacteroides ovatus
15	Bacteroides pectinophilus
16	Bacteroides plebeius
17	Bacteroides salanitronis
18	Bacteroides stercoris
19	Bacteroides thetaiotaomicron
20	Bacteroides unclassified
21	Bacteroides vulgatus
22	Bacteroides xylanisolvens
23	Bifidobacterium adolescentis
24	Bifidobacterium longum
25	Bifidobacterium unclassified
26	Bilophila wadsworthia
27	Blautia hansenii
28	Blautia hydrogenotrophica
29	Blautia unclassified
30	Butyrivibrio crossotus
31	Clostridium asparagiforme
32	Clostridium bolteae
33	Clostridium cf
34	Clostridium hathewayi
35	Clostridium leptum
36	Clostridium methylpentosum
37	Clostridium nexile
38	Clostridium saccharolyticum
39	Clostridium scindens
40	Clostridium symbiosum
41	Collinsella aerofaciens
42	Collinsella stercoris
43	Coprococcus catus
44	Coprococcus comes
45	Desulfovibrio desulfuricans
46	Desulfovibrio piger
47	Dorea formicigenerans
48	Dorea longicatena
49	Enterococcus unclassified
50	Escherichia coli
51	Escherichia unclassified
52	Eubacterium eligens

53	Eubacterium hallii
54	Eubacterium rectale
55	Eubacterium siraeum
56	Eubacterium ventriosum
57	Faecalibacterium cf
58	Faecalibacterium prausnitzii
59	Faecalibacterium unclassified
60	Gordonibacter pamelaetae
61	Haemophilus parainfluenzae
62	Holdemania filiformis
63	Lactobacillus ruminis
64	Mycobacterium unclassified
65	Odoribacter splanchnicus
66	Oribacterium sinus
67	Parabacteroides distasonis
68	Parabacteroides johnsonii
69	Parabacteroides merdae
70	Parabacteroides unclassified
71	Peptoniphilus unclassified
72	Phascolarctobacterium unclassified
73	Prevotella bergensis
74	Prevotella bivia
75	Prevotella buccae
76	Prevotella buccalis
77	Prevotella copri
78	Prevotella disiens
79	Prevotella marshii
80	Prevotella multiformis
81	Prevotella oralis
82	Prevotella oris
83	Prevotella ruminicola
84	Pseudoflavonifractor capillosus
85	Roseburia intestinalis
86	Roseburia inulinivorans
87	Ruminococcus albus
88	Ruminococcus bromii
89	Ruminococcus gnavus
90	Ruminococcus lactaris
91	Ruminococcus obeum
92	Ruminococcus torques
93	Slackia unclassified
94	Streptococcus parasanguinis
95	Streptococcus salivarius
96	Subdoligranulum variabile
97	Veillonella dispar
98	Veillonella unclassified
99	Victivallis vadensis
100	'Nostoc azollae'
101	[Bacillus] schlegelii
102	[Clostridium] aerotolerans
103	[Clostridium] alkalicellulosi
104	[Clostridium] aminophilum
105	[Clostridium] aminovalericum
106	[Clostridium] bifermentans
107	[Clostridium] cellobioparum
108	[Clostridium] cellulosi
109	[Clostridium] clostridioforme
110	[Clostridium] glycyrrhizinilyticum

111	[Clostridium] indolis	169	Acidobacterium capsulatum
112	[Clostridium] josui	170	Acidobacterium sp.
113	[Clostridium] lactatifermentans	171	Acidocella facilis
114	[Clostridium] manganotii	172	Acidocella sp.
115	[Clostridium] methoxybenzovorans	173	Acidothermus cellulolyticus
116	[Clostridium] neopropionicum	174	Acidovorax avenae
117	[Clostridium] papyrosolvans	175	Acidovorax citrulli
118	[Clostridium] populeti	176	Acidovorax ebreus
119	[Clostridium] propionicum	177	Acidovorax oryzae
120	[Clostridium] saccharogumia	178	Acidovorax radialis
121	[Clostridium] sordellii	179	Acidovorax sp.
122	[Clostridium] sticklandii,	180	Acinetobacter baumannii
123	[Clostridium] termitidis	181	Acinetobacter bereziniae
124	[Clostridium] thermosuccinogenes	182	Acinetobacter gernerii
125	[Clostridium] viride	183	Acinetobacter gyllenbergii
126	[Eubacterium] cellulosolvans	184	Acinetobacter haemolyticus
127	[Pseudomonas] geniculata	185	Acinetobacter johnsonii
128	[Scytonema] hofmannii	186	Acinetobacter junii
129	Abiotrophia defectiva	187	Acinetobacter lwoffii
130	Acanthamoeba castellanii	188	Acinetobacter pittii
131	Acanthisitta chloris	189	Acinetobacter radioresistens
132	Acaricomus phytoseiuli	190	Acinetobacter sp.
133	Acaryochloris sp.	191	Acinetobacter tandoii
134	Acetanaerobacterium elongatum	192	Acinetobacter ursingii
135	Acetatifactor muris	193	Actinoalloteichus cyanogriseus
136	Acetivibrio cellulolyticus	194	Actinobacillus capsulatus
137	Acetobacter aceti	195	Actinobacillus pleuropneumoniae
138	Acetobacter nitrogenifigens	196	Actinobacillus succinogenes
139	Acetobacter pasteurianus	197	Actinobacterium LLX17
140	Acetobacter sp.	198	Actinobacterium SCGC
141	Acetobacteraceae bacterium	199	Actinobaculum massiliae
142	Acetobacterium dehalogenans	200	Actinobaculum schaalii
143	Acetobacterium woodii	201	Actinobaculum sp.
144	Acetohalobium arabaticum	202	Actinocatenispora sera
145	Acetomicrobium faecale	203	Actinokineospora enzanensis
146	Acholeplasma axanthum	204	Actinokineospora inagensis
147	Acholeplasma equifetale	205	Actinomadura atramentaria
148	Acholeplasma granularum	206	Actinomadura flavalba
149	Acholeplasma laidlawii	207	Actinomadura madurae
150	Acholeplasma modicum	208	Actinomadura oligospora
151	Acholeplasma multilocale	209	Actinomadura rifamycini
152	Acholeplasma sp.	210	Actinomyces cardiffensis
153	Achromobacter piechaudii	211	Actinomyces dentalis
154	Achromobacter xylooxidans	212	Actinomyces europaeus
155	Acidaminococcus fermentans	213	Actinomyces georgiae
156	Acidaminococcus intestini	214	Actinomyces gerencseriae
157	Acidaminococcus sp.	215	Actinomyces graevenitzi
158	Acidimicrobidae bacterium	216	Actinomyces johnsonii
159	Acidiphilium angustum	217	Actinomyces massiliensis
160	Acidiphilium cryptum	218	Actinomyces neuui
161	Acidiphilium multivorum	219	Actinomyces oris
162	Acidiphilium sp.	220	Actinomyces slackii
163	Acidithiobacillus caldus	221	Actinomyces sp.
164	Acidithiobacillus ferrivorans	222	Actinomyces timonensis
165	Acidithiobacillus ferrooxidans	223	Actinomyces turicensis
166	Acidithiobacillus thiooxidans	224	Actinomyces urogenitalis
167	Acidobacteria bacterium	225	Actinomyces viscosus
168	Acidobacteriaceae bacterium	226	Actinomycetospora chiangmaiensis

227	<i>Actinoplanes friuliensis</i>
228	<i>Actinoplanes globisporus</i>
229	<i>Actinoplanes missouriensis</i>
230	<i>Actinoplanes</i> sp.
231	<i>Actinoplanes subtropicus</i>
232	<i>Actinopolymorpha alba</i>
233	<i>Actinopolyspora mortivallis</i>
234	<i>Actinosynnema mirum</i>
235	<i>Acyrthosiphon pisum</i>
236	<i>Adlercreutzia equolifaciens</i>
237	<i>Advenella kashmirensis</i>
238	<i>Aedes aegypti</i>
239	<i>Aequorivita capsosiphonis</i>
240	<i>Aequorivita sublithincola</i>
241	<i>Aerococcus urinae</i>
242	<i>Aeromicrobium marinum</i>
243	<i>Aeromonas caviae</i>
244	<i>Aeromonas enteropelogenes</i>
245	<i>Aeromonas hydrophila</i>
246	<i>Aeromonas salmonicida</i>
247	<i>Aeromonas veronii</i>
248	<i>Afifella pfennigii</i>
249	<i>Afipia broomeae</i>
250	<i>Afipia clevelandensis</i>
251	<i>Afipia</i> sp.
252	<i>Aggregatibacter actinomycetemcomitans</i>
253	<i>Aggregatibacter aphrophilus</i>
254	<i>Agrobacterium fabrum</i>
255	<i>Agrobacterium radiobacter</i>
256	<i>Agrobacterium</i> sp.
257	<i>Agrobacterium tumefaciens</i>
258	<i>Agrobacterium vitis</i>
259	<i>Agrococcus lahauensis</i>
260	<i>Agrococcus pavilionensis</i>
261	<i>Agromonas oligotrophica</i>
262	<i>Agromyces italicus</i>
263	<i>Agromyces subbeticus</i>
264	<i>Ahrensia kielensis</i>
265	<i>Ailuropoda melanoleuca</i>
266	<i>Ajellomyces capsulatus</i>
267	<i>Ajellomyces dermatitidis</i>
268	<i>Akkermansia</i> sp.
269	<i>Alcaligenes faecalis</i>
270	<i>Alcaligenes</i> sp.
271	<i>Alcanivorax borkumensis</i>
272	<i>Alcanivorax dieselolei</i>
273	<i>Alcanivorax</i> sp.
274	<i>Algicola sagamiensis</i>
275	<i>Algoriphagus manniitolivorans</i>
276	<i>Algoriphagus marincola</i>
277	<i>Algoriphagus</i> sp.
278	<i>Algoriphagus terrigena</i>
279	<i>Aliagarivorans marinus</i>
280	<i>Alicyclophilus denitrificans</i>
281	<i>Alicyclobacillus acidocaldarius</i>
282	<i>Alicyclobacillus acidoterrestris</i>
283	<i>Alicyclobacillus contaminans</i>
284	<i>Alicyclobacillus herbarius</i>

285	<i>Alicyclobacillus macrosporangioides</i>
286	<i>Alicyclobacillus pohliae</i>
287	<i>Alicyclobacillus pomorum</i>
288	<i>Aliihoeflea</i> sp.
289	<i>Aliivibrio fischeri</i>
290	<i>Aliivibrio salmonicida</i>
291	<i>Alistipes finegoldii</i>
292	<i>Alistipes indistinctus</i>
293	<i>Alistipes onderdonkii</i>
294	<i>Alistipes senegalensis</i>
295	<i>Alistipes</i> sp.
296	<i>Alistipes timonensis</i>
297	<i>Alkalibacillus haloalkaliphilus</i>
298	<i>Alkaliflexus imshenetskii</i>
299	<i>Alkalilimnicola ehrlichii</i>
300	<i>Alkaliphilus metalliredigens</i>
301	<i>Alkaliphilus oremlandii</i>
302	<i>Alkaliphilus transvaalensis</i>
303	<i>Alligator mississippiensis</i>
304	<i>Alligator sinensis</i>
305	<i>Allobaculum stercoricanis</i>
306	<i>Allochromatium vinosum</i>
307	<i>Allofustis seminis</i>
308	<i>Alloiococcus otitis</i>
309	<i>Allokutzneria albata</i>
310	<i>Alloprevotella rava</i>
311	<i>Alloscardovia omnicoles</i>
312	<i>Alpha proteobacterium</i>
313	<i>Amborella trichopoda</i>
314	<i>Aminicenantes bacterium</i>
315	<i>Aminiphilus circumscriptus</i>
316	<i>Aminobacter</i> sp.
317	<i>Aminobacterium colombiense</i>
318	<i>Aminomonas paucivorans</i>
319	<i>Ammonifex degensii</i>
320	<i>Amorphus coralli</i>
321	<i>Amphibacillus jilinensis</i>
322	<i>Amphibacillus xylanus</i>
323	<i>Amphimedon queenslandica</i>
324	<i>Amycolatopsis alba</i>
325	<i>Amycolatopsis balhimycina</i>
326	<i>Amycolatopsis benzoatilytica</i>
327	<i>Amycolatopsis mediterranei</i>
328	<i>Amycolatopsis methanolica</i>
329	<i>Amycolatopsis nigrescens</i>
330	<i>Amycolatopsis orientalis</i>
331	<i>Amycolatopsis</i> sp.
332	<i>Amycolatopsis taiwanensis</i>
333	<i>Amycolatopsis thermoflava</i>
334	<i>Anabaena</i> sp.
335	<i>Anabaena variabilis</i>
336	<i>Anaeroarcus burkinensis</i>
337	<i>Anaerobaculum hydrogeniformans</i>
338	<i>Anaerobaculum mobile</i>
339	<i>Anaerobiospirillum succiniciproducens</i>
340	<i>Anaerofilum agile</i>
341	<i>Anaerofilum pentosovorans</i>
342	<i>Anaerofustis stercorihominis</i>

343	<i>Anaeroglobus geminatus</i>
344	<i>Anaerolinea thermophila</i>
345	<i>Anaeromusa acidaminophila</i>
346	<i>Anaeromyxobacter dehalogenans</i>
347	<i>Anaeromyxobacter</i> sp.
348	<i>Anaerophaga thermohalophila</i>
349	<i>Anaerosporobacter mobilis</i>
350	<i>Anaerostipes caccae</i>
351	<i>Anaerostipes hadrus</i>
352	<i>Anaerostipes</i> sp.
353	<i>Anaerotruncus</i> sp.
354	<i>Anaerovibrio lipolyticus</i>
355	<i>Anaerovibrio</i> sp.
356	<i>Anaerovorax odorimutans</i>
357	<i>Anaplasma phagocytophilum</i>
358	<i>Anas platyrhynchos</i>
359	<i>Aneurinibacillus aneurinilyticus</i>
360	<i>Aneurinibacillus terranovensis</i>
361	<i>Anolis carolinensis</i>
362	<i>Anopheles gambiae</i>
363	<i>Anoxybacillus flavithermus</i>
364	<i>Anoxybacillus kamchatkensis</i>
365	<i>Anoxybacillus tepidamans</i>
366	<i>Aphanizomenon flos-aquae</i>
367	<i>Apis dorsata</i>
368	<i>Apis florea</i>
369	<i>Apis mellifera</i>
370	<i>Aplysia californica</i>
371	<i>Aptenodytes forsteri</i>
372	<i>Aquifex aeolicus</i>
373	<i>Aquimarina agarilytica</i>
374	<i>Aquimarina macrocephali</i>
375	<i>Aquimarina muelleri</i>
376	<i>Arabidopsis lyrata</i>
377	<i>Arabidopsis thaliana</i>
378	<i>Arcanobacterium haemolyticum</i>
379	<i>Arcobacter butzleri</i>
380	<i>Arcobacter cibarius</i>
381	<i>Arcobacter nitrofigilis</i>
382	<i>Arcobacter</i> sp.
383	<i>Arenibacter certesii</i>
384	<i>Arenibacter latericius</i>
385	<i>Arenimonas composti</i>
386	<i>Arenimonas oryzae</i>
387	<i>Arenitalea lutea</i>
388	<i>Arhodomonas aquaeolei</i>
389	<i>Aromatoleum aromaticum</i>
390	<i>Arsenicococcus bolidensis</i>
391	<i>Arthrobacter arilaitensis</i>
392	<i>Arthrobacter castelli</i>
393	<i>Arthrobacter chlorophenolicus</i>
394	<i>Arthrobacter phenanthrenivorans</i>
395	<i>Arthrobacter sanguinis</i>
396	<i>Arthrobacter</i> sp.
397	<i>Arthroderma gypseum</i>
398	<i>Arthrospira platensis</i>
399	<i>Asaia prunellae</i>
400	<i>Asaia</i> sp.

401	<i>Aspergillus clavatus</i>
402	<i>Aspergillus nidulans</i>
403	<i>Aspergillus niger</i>
404	<i>Aspergillus oryzae</i>
405	<i>Aspergillus terreus</i>
406	<i>Asticcacaulis benevestitus</i>
407	<i>Asticcacaulis biprosthecum</i>
408	<i>Asticcacaulis</i> sp.
409	<i>Astyanax mexicanus</i>
410	<i>Atopobacter phocae</i>
411	<i>Atopobium fossor</i>
412	<i>Atopobium minutum</i>
413	<i>Atopobium parvulum</i>
414	<i>Atopobium</i> sp.
415	<i>Atopobium vaginae</i>
416	<i>Atopococcus tabaci</i>
417	<i>Atribacteria bacterium</i>
418	<i>Aurantimonas coralicida</i>
419	<i>Aurantimonas manganoxydans</i>
420	<i>Aureimonas ureilytica</i>
421	<i>Aureococcus anophagefferens</i>
422	<i>Auricularia delicata</i>
423	<i>Azoarcus</i> sp.
424	<i>Azoarcus toluclasticus</i>
425	<i>Azohydromonas australica</i>
426	<i>Azonexus hydrophilus</i>
427	<i>Azorhizobium caulinodans</i>
428	<i>Azorhizobium doebereineriae</i>
429	<i>Azospirillum brasilense</i>
430	<i>Azospirillum halopraeferens</i>
431	<i>Azospirillum lipoferum</i>
432	<i>Azospirillum</i> sp.
433	<i>Azotobacter vinelandii</i>
434	<i>Azovibrio restrictus</i>
435	<i>Babesia bovis</i>
436	<i>Bacillus acidiproducens</i>
437	<i>Bacillus ainingensis</i>
438	<i>Bacillus amyloliquefaciens</i>
439	<i>Bacillus anthracis</i>
440	<i>Bacillus atrophaeus</i>
441	<i>Bacillus aurantiacus</i>
442	<i>Bacillus bogoriensis</i>
443	<i>Bacillus cellulosilyticus</i>
444	<i>Bacillus cereus</i>
445	<i>Bacillus chagannorensis</i>
446	<i>Bacillus coagulans</i>
447	<i>Bacillus coahuilensis</i>
448	<i>Bacillus cytotoxicus</i>
449	<i>Bacillus endophyticus</i>
450	<i>Bacillus flexus</i>
451	<i>Bacillus fordii</i>
452	<i>Bacillus gelatini</i>
453	<i>Bacillus ginsengihumi</i>
454	<i>Bacillus halodurans</i>
455	<i>Bacillus kribbensis</i>
456	<i>Bacillus licheniformis</i>
457	<i>Bacillus mannanilyticus</i>
458	<i>Bacillus marmarensis</i>

459	<i>Bacillus massilioanorexius</i>
460	<i>Bacillus massiliosenegalensis</i>
461	<i>Bacillus megaterium</i>
462	<i>Bacillus mojavensis</i>
463	<i>Bacillus oceanisediminis</i>
464	<i>Bacillus panaciterrae</i>
465	<i>Bacillus phage</i>
466	<i>Bacillus pseudofirmus</i>
467	<i>Bacillus pseudomycooides</i>
468	<i>Bacillus pumilus</i>
469	<i>Bacillus selenitireducens</i>
470	<i>Bacillus siamensis</i>
471	<i>Bacillus smithii</i>
472	<i>Bacillus sonorensis</i>
473	<i>Bacillus sp.</i>
474	<i>Bacillus subtilis</i>
475	<i>Bacillus tequilensis</i>
476	<i>Bacillus thuringiensis</i>
477	<i>Bacillus timonensis</i>
478	<i>Bacillus toyonensis</i>
479	<i>Bacillus vallismortis</i>
480	<i>Bacillus weihenstephanensis</i>
481	<i>Bacteriovorax marinus</i>
482	<i>Bacterium JKG1</i>
483	Bacteroidales bacterium
484	Bacteroidetes oral
485	<i>Balaenoptera acutorostrata</i>
486	<i>Balneatrix alpica</i>
487	<i>Balneimonas flocculans</i>
488	<i>Balneola vulgaris</i>
489	<i>Barnesiella intestinihominis</i>
490	<i>Bartonella birtlesii</i>
491	<i>Bartonella elizabethae</i>
492	<i>Bartonella grahamii</i>
493	<i>Bartonella henselae</i>
494	<i>Bartonella quintana</i>
495	<i>Baudoinia compniacensis</i>
496	<i>Bavariicoccus seileri</i>
497	<i>Bdellovibrio bacteriovorus</i>
498	<i>Beauveria bassiana</i>
499	<i>Belliella baltica</i>
500	Beta proteobacterium
501	<i>Beutenbergia cavernae</i>
502	<i>Bibersteinia trehalosi</i>
503	<i>Bilophila sp.</i>
504	<i>Bipolaris oryzae</i>
505	<i>Bipolaris zeicola</i>
506	<i>Blastocatella fastidiosa</i>
507	<i>Blastococcus saxosidens</i>
508	<i>Blastococcus sp.</i>
509	<i>Blastomonas sp.</i>
510	<i>Blastopirellula marina</i>
511	<i>Blattabacterium sp.</i>
512	<i>Bombus impatiens</i>
513	<i>Bombus terrestris</i>
514	<i>Bombyx mori</i>
515	<i>Bordetella avium</i>
516	<i>Bordetella bronchiseptica</i>

517	<i>Bordetella hinzii</i>
518	<i>Bordetella petrii</i>
519	<i>Bordetella sp.</i>
520	<i>Bordetella trematum</i>
521	<i>Borrelia miyamotoi</i>
522	<i>Bos mutus</i>
523	<i>Bos taurus</i>
524	<i>Bosea sp.</i>
525	<i>Brachybacterium faecium</i>
526	<i>Brachybacterium muris</i>
527	<i>Brachybacterium paraconglomeratum</i>
528	<i>Brachybacterium squillarum</i>
529	<i>Brachymonas chironomi</i>
530	<i>Brachypodium distachyon</i>
531	<i>Brachyspira alvinipulli</i>
532	<i>Brachyspira hyodysenteriae</i>
533	<i>Brachyspira innocens</i>
534	<i>Brachyspira intermedia</i>
535	<i>Brachyspira murdochii</i>
536	<i>Brachyspira pilosicoli</i>
537	<i>Brachyspira sp.</i>
538	Bradyrhizobiaceae bacterium
539	<i>Bradyrhizobium elkanii</i>
540	<i>Bradyrhizobium genosp.</i>
541	<i>Bradyrhizobium japonicum</i>
542	<i>Bradyrhizobium sp.</i>
543	<i>Branchiostoma floridae</i>
544	<i>Brassica rapa</i>
545	BRC1 bacterium
546	<i>Brenneria sp.</i>
547	<i>Brevibacillus agri</i>
548	<i>Brevibacillus borstelensis</i>
549	<i>Brevibacillus brevis</i>
550	<i>Brevibacillus laterosporus</i>
551	<i>Brevibacillus massiliensis,</i>
552	<i>Brevibacillus panacihumi</i>
553	<i>Brevibacillus thermoruber</i>
554	<i>Brevibacterium album</i>
555	<i>Brevibacterium linens</i>
556	<i>Brevibacterium massiliense</i>
557	<i>Brevibacterium senegalense,</i>
558	<i>Brevibacterium sp.</i>
559	<i>Brevundimonas aveniformis</i>
560	<i>Brevundimonas bacteroides</i>
561	<i>Brevundimonas diminuta</i>
562	<i>Brevundimonas naejangsanensis</i>
563	<i>Brevundimonas sp.</i>
564	<i>Brevundimonas subvibrioides</i>
565	<i>Brucella abortus</i>
566	<i>Brucella melitensis</i>
567	<i>Brucella sp.</i>
568	<i>Bryobacter aggregatus</i>
569	<i>Bubalus bubalis</i>
570	<i>Buchnera aphidicola</i>
571	<i>Burkholderia acidipaludis</i>
572	<i>Burkholderia andropogonis</i>
573	<i>Burkholderia bannensis</i>
574	<i>Burkholderia bryophila</i>

575	<i>Burkholderia caledonica</i>
576	<i>Burkholderia cenocepacia</i>
577	<i>Burkholderia cepacia</i>
578	<i>Burkholderia dilworthii</i>
579	<i>Burkholderia dolosa</i>
580	<i>Burkholderia ferrariae</i>
581	<i>Burkholderia fungorum</i>
582	<i>Burkholderia gladioli</i>
583	<i>Burkholderia glumae</i>
584	<i>Burkholderia kururiensis</i>
585	<i>Burkholderia mallei</i>
586	<i>Burkholderia mimosarum</i>
587	<i>Burkholderia multivorans</i>
588	<i>Burkholderia nodosa</i>
589	<i>Burkholderia oxyphila</i>
590	<i>Burkholderia phymatum</i>
591	<i>Burkholderia phytofirmans</i>
592	<i>Burkholderia pseudomallei</i>
593	<i>Burkholderia pyrrocinia</i>
594	<i>Burkholderia rhizoxinica</i>
595	<i>Burkholderia sordidicola</i>
596	<i>Burkholderia</i> sp.
597	<i>Burkholderia sprentiae</i>
598	<i>Burkholderia thailandensis</i>
599	<i>Burkholderia ubonensis</i>
600	<i>Burkholderia vietnamiensis</i>
601	<i>Burkholderia xenovorans</i>
602	Burkholderiales bacterium
603	Butyrate-producing bacterium
604	<i>Butyricoccus pullicaecorum</i>
605	<i>Butyricimonas synergistica</i>
606	<i>Butyricimonas virosa</i>
607	<i>Butyrivibrio fibrisolvens</i>
608	<i>Butyrivibrio hungatei</i>
609	<i>Butyrivibrio proteoclasticus</i>
610	<i>Butyrivibrio</i> sp.
611	<i>Caenorhabditis briggsae</i>
612	<i>Caenorhabditis elegans</i>
613	<i>Caenorhabditis remanei</i>
614	<i>Caldanaerobius polysaccharolyticus</i>
615	<i>Caldibacillus debilis</i>
616	<i>Caldicellulosiruptor bescii</i>
617	<i>Caldicellulosiruptor hydrothermalis</i>
618	<i>Caldicellulosiruptor kronotskyensis</i>
619	<i>Caldicellulosiruptor obsidiansis</i>
620	<i>Caldicellulosiruptor owensensis</i>
621	<i>Caldicellulosiruptor saccharolyticus</i>
622	<i>Caldicopro bacter guelmensis</i>
623	<i>Caldicopro bacter oshimai</i>
624	<i>Caldilinea aerophila</i>
625	<i>Caldimonas manganoxidans</i>
626	<i>Caldisphaera lagunensis</i>
627	<i>Calditerrivibrio nitroreducens</i>
628	<i>Caldithrix abyssi</i>
629	<i>Callicebus moloch</i>
630	<i>Callithrix jacchus</i>
631	<i>Callorhinchus milii</i>
632	<i>Caloramator fervidus</i>

633	<i>Caloramator</i> sp.
634	<i>Calothrix</i> sp.
635	<i>Calypte anna</i>
636	<i>Camelus ferus</i>
637	<i>Campylobacter coli</i>
638	<i>Campylobacter concisus</i>
639	<i>Campylobacter cuniculorum</i>
640	<i>Campylobacter curvus</i>
641	<i>Campylobacter fetus</i>
642	<i>Campylobacter jejuni</i>
643	<i>Campylobacter</i> sp.
644	<i>Campylobacter ureolyticus</i>
645	Campylobacteriales bacterium
646	<i>Candida albicans</i>
647	<i>Candida maltosa</i>
648	<i>Candida orthopsilosis</i>
649	<i>Candida tropicalis</i>
650	Candidate division
651	Candidatus <i>Accumulibacter</i>
652	Candidatus <i>Alistipes</i>
653	Candidatus <i>Arthromitus</i>
654	Candidatus <i>Azobacteroides</i>
655	Candidatus <i>Blochmannia</i>
656	Candidatus <i>Burkholderia</i>
657	Candidatus <i>Carsonella</i>
658	Candidatus <i>Chloracidobacterium</i>
659	Candidatus <i>Cloacamonas</i>
660	Candidatus <i>Desulforudis</i>
661	Candidatus <i>Hydrogenedens</i>
662	Candidatus <i>Koribacter</i>
663	Candidatus <i>Latescibacter</i>
664	Candidatus <i>Methanomethylophilus</i>
665	Candidatus <i>Microthrix</i>
666	Candidatus <i>Nitrososphaera</i>
667	Candidatus <i>Nitrospira</i>
668	Candidatus <i>Pelagibacter</i>
669	Candidatus <i>Phytoplasma</i>
670	Candidatus <i>Poribacteria</i>
671	Candidatus <i>Portiera</i>
672	Candidatus <i>Regiella</i>
673	Candidatus <i>Schmidhempelia</i>
674	Candidatus <i>Solibacter</i>
675	Candidatus <i>Stoquefichus</i>
676	Candidatus <i>Sulcia</i>
677	Candidatus <i>Synechococcus</i>
678	<i>Canis lupus</i>
679	<i>Capnocytophaga canimorsus</i>
680	<i>Capnocytophaga cynodegmi</i>
681	<i>Capnocytophaga granulosa</i>
682	<i>Capnocytophaga ochracea</i>
683	<i>Capnocytophaga</i> sp.
684	<i>Capra hircus</i>
685	<i>Capsaspora owczarzaki</i>
686	<i>Capsella rubella</i>
687	<i>Carboxydibrachium pacificum</i>
688	<i>Carboxydotherrmus hydrogenoformans</i>
689	<i>Cardiobacterium hominis</i>
690	<i>Cardiobacterium valvarum</i>

691	<i>Carnimonas nigrificans</i>
692	<i>Carnobacterium jeotgali</i>
693	<i>Carnobacterium maltaromaticum</i>
694	<i>Carnobacterium</i> sp.
695	<i>Catabacter hongkongensis</i>
696	<i>Catellibacterium nectariphilum</i>
697	<i>Catelliglobospora koreensis</i>
698	<i>Catenibacterium</i> sp.
699	<i>Catenovulum agarivorans</i>
700	<i>Catenulispora acidiphila</i>
701	<i>Catonella morbi</i>
702	<i>Caulobacter crescentus</i>
703	<i>Caulobacter segnis</i>
704	<i>Caulobacter</i> sp.
705	Caulobacteraceae bacterium
706	<i>Cavia porcellus</i>
707	<i>Cedecea davisae</i>
708	<i>Cellulomonas fimi</i>
709	<i>Cellulomonas flavigena</i>
710	<i>Cellulomonas massiliensis</i>
711	<i>Cellulomonas</i> sp.
712	<i>Cellulophaga algicola</i>
713	<i>Cellulophaga baltica</i>
714	<i>Cellulosimicrobium cellulans</i>
715	<i>Cellvibrio gilvus</i>
716	<i>Cellvibrio japonicus</i>
717	<i>Cellvibrio</i> sp.
718	<i>Centipeda periodontii</i>
719	<i>Cephalotaxus oliveri</i>
720	<i>Ceratitidis capitata</i>
721	<i>Ceratotherium simum</i>
722	<i>Cetobacterium somerae</i>
723	<i>Chaetomium globosum</i>
724	<i>Chaetomium thermophilum</i>
725	<i>Chamaesiphon minutus</i>
726	<i>Chelativorans</i> sp.
727	<i>Chelatococcus</i> sp.
728	<i>Chelonia mydas</i>
729	<i>Chinchilla lanigera</i>
730	<i>Chitinibacter tainanensis</i>
731	<i>Chitinilyticum aquatile</i>
732	<i>Chitinilyticum litopenaei</i>
733	<i>Chitinimonas koreensis</i>
734	<i>Chitiniphilus shinanonensis</i>
735	<i>Chitinophaga pinensis</i>
736	<i>Chitinophaga</i> sp.
737	<i>Chlamydia psittaci</i>
738	<i>Chlamydomonas reinhardtii</i>
739	<i>Chlamydomonada pneumoniae</i>
740	<i>Chlorella variabilis</i>
741	<i>Chlorobaculum parvum</i>
742	<i>Chlorobium chlorochromatii</i>
743	<i>Chlorobium limicola</i>
744	<i>Chlorobium luteolum</i>
745	<i>Chlorobium phaeobacteroides</i>
746	<i>Chlorobium tepidum</i>
747	<i>Chlorocephus aethiops</i>
748	<i>Chlorocephus sabaesus</i>

749	<i>Chloroflexi</i> bacterium
750	<i>Chloroflexus aggregans</i>
751	<i>Chloroflexus</i> sp.
752	<i>Chloroherpeton thalassium</i>
753	<i>Christensenella minuta</i>
754	<i>Chromobacterium violaceum</i>
755	<i>Chromohalobacter salexigens</i>
756	<i>Chrysemys picta</i>
757	<i>Chryseobacterium daeguense</i>
758	<i>Chryseobacterium gleum</i>
759	<i>Chryseobacterium gregarium</i>
760	<i>Chryseobacterium hispalense</i>
761	<i>Chryseobacterium</i> sp.
762	<i>Chryseobacterium taeanense</i>
763	<i>Chrysiogenes arsenatis</i>
764	<i>Chrysochloris asiatica</i>
765	<i>Chthonomonas calidirosea</i>
766	<i>Cicer arietinum</i>
767	<i>Ciona intestinalis</i>
768	<i>Citricella</i> sp.
769	<i>Citricoccus</i> sp.
770	<i>Citrobacter freundii</i>
771	<i>Citrobacter koseri</i>
772	<i>Citrobacter rodentium</i>
773	<i>Citrobacter</i> sp.
774	<i>Citrobacter youngae</i>
775	<i>Citromicrobium bathyomarinum</i>
776	<i>Citromicrobium</i> sp.
777	<i>Citrus clementina</i>
778	<i>Cladophialophora carrionii</i>
779	<i>Clavibacter michiganensis</i>
780	<i>Clavospora lusitaniae</i>
781	<i>Cloacimonetes</i> bacterium
782	Clostridiales bacterium
783	Clostridiales genomosp.
784	<i>Clostridiisalibacter paucivorans</i>
785	<i>Clostridium acetobutylicum</i>
786	<i>Clostridium acidurici</i>
787	<i>Clostridium akagii</i>
788	<i>Clostridium algidicarnis</i>
789	<i>Clostridium arbusti</i>
790	<i>Clostridium autoethanogenum</i>
791	<i>Clostridium bartlettii</i>
792	<i>Clostridium beijerinckii</i>
793	<i>Clostridium botulinum</i>
794	<i>Clostridium butyricum</i>
795	<i>Clostridium cadaveris</i>
796	<i>Clostridium carboxidivorans</i>
797	<i>Clostridium celatum</i>
798	<i>Clostridium cellobioparum</i>
799	<i>Clostridium cellulolyticum</i>
800	<i>Clostridium cellulovorans</i>
801	<i>Clostridium citroniae</i>
802	<i>Clostridium clariflavum</i>
803	<i>Clostridium clostridioforme</i>
804	<i>Clostridium colicanis</i>
805	<i>Clostridium difficile</i>
806	<i>Clostridium glycolicum</i>

807	<i>Clostridium hiranonis</i>	865	<i>Coprobacter fastidiosus</i>
808	<i>Clostridium hydrogeniformans</i>	866	<i>Coprococcus eutactus</i>
809	<i>Clostridium hylemonae</i>	867	<i>Coprococcus</i> sp.
810	<i>Clostridium innocuum</i>	868	<i>Coprothermobacter proteolyticus</i>
811	<i>Clostridium intestinale</i>	869	<i>Coraliomargarita akajimensis</i>
812	<i>Clostridium kluiveri</i>	870	<i>Coraliomargarita</i> sp.
813	<i>Clostridium lentocellum</i>	871	<i>Corallococcus coralloides</i>
814	<i>Clostridium limosum</i>	872	<i>Corallococcus</i> sp.
815	<i>Clostridium ljungdahlii</i>	873	<i>Cordyceps militaris</i>
816	<i>Clostridium lundense</i>	874	Coriobacteriaceae bacterium
817	<i>Clostridium novyi</i>	875	<i>Coriobacterium glomerans</i>
818	<i>Clostridium paraputrificum</i>	876	<i>Corvus brachyrhynchos</i>
819	<i>Clostridium pasteurianum</i>	877	<i>Corynebacterium accolens</i>
820	<i>Clostridium perfringens</i>	878	<i>Corynebacterium argentoratense</i>
821	<i>Clostridium phage</i>	879	<i>Corynebacterium aurimucosum</i>
822	<i>Clostridium phytofermentans</i>	880	<i>Corynebacterium bovis</i>
823	<i>Clostridium ramosum</i>	881	<i>Corynebacterium crenatum</i>
824	<i>Clostridium saccharobutylicum</i>	882	<i>Corynebacterium diphtheriae</i>
825	<i>Clostridium saccharoperbutylaceticum</i>	883	<i>Corynebacterium doosanense</i>
826	<i>Clostridium scatologenes</i>	884	<i>Corynebacterium durum</i>
827	<i>Clostridium senegalense</i>	885	<i>Corynebacterium efficiens</i>
828	<i>Clostridium</i> sp.	886	<i>Corynebacterium genitalium</i>
829	<i>Clostridium spiroforme</i>	887	<i>Corynebacterium glucuronolyticum</i>
830	<i>Clostridium sporogenes</i>	888	<i>Corynebacterium glutamicum</i>
831	<i>Clostridium sporosphaeroides</i>	889	<i>Corynebacterium halotolerans</i>
832	<i>Clostridium stercorarium</i>	890	<i>Corynebacterium jeikeium</i>
833	<i>Clostridium tetani</i>	891	<i>Corynebacterium lipophiloflavum</i>
834	<i>Clostridium thermocellum</i>	892	<i>Corynebacterium lubricantis</i>
835	<i>Clostridium thermopalmarium</i>	893	<i>Corynebacterium maris</i>
836	<i>Clostridium tunisiense</i>	894	<i>Corynebacterium massiliense</i>
837	<i>Clostridium tyrobutyricum</i>	895	<i>Corynebacterium mastitidis</i>
838	<i>Clostridium ultunense</i>	896	<i>Corynebacterium matruchotii</i>
839	<i>Clostridium viride</i>	897	<i>Corynebacterium nuruki</i>
840	<i>Coccidioides immitis</i>	898	<i>Corynebacterium pilosum</i>
841	<i>Cohnella laeviribosi</i>	899	<i>Corynebacterium propinquum</i>
842	<i>Cohnella panacarvi</i>	900	<i>Corynebacterium pseudodiphtheriticum</i>
843	<i>Cohnella phaseoli</i>	901	<i>Corynebacterium pseudotuberculosis</i>
844	<i>Cohnella thermotolerans</i>	902	<i>Corynebacterium pyruviciproducens</i>
845	<i>Colletotrichum gloeosporioides</i>	903	<i>Corynebacterium resistens</i>
846	<i>Collimonas fungivorans</i>	904	<i>Corynebacterium</i> sp.
847	<i>Collinsella intestinalis</i>	905	<i>Corynebacterium sputi</i>
848	<i>Collinsella</i> sp.	906	<i>Corynebacterium striatum</i>
849	<i>Collinsella tanakaei</i>	907	<i>Corynebacterium terpenotabidum</i>
850	<i>Columba livia</i>	908	<i>Corynebacterium ulcerans</i>
851	Comamonadaceae bacterium	909	<i>Corynebacterium ulceribovis</i>
852	<i>Comamonas badia</i>	910	<i>Corynebacterium urealyticum</i>
853	<i>Comamonas composti</i>	911	<i>Corynebacterium variabile</i>
854	<i>Comamonas</i> sp.	912	<i>Corynebacterium</i> -like bacterium
855	<i>Comamonas testosteroni</i>	913	<i>Cricetulus griseus</i>
856	complete chromosome	914	<i>Crinalium epipsammum</i>
857	<i>Conchiformibius kuhniae</i>	915	<i>Cronobacter pulveris</i>
858	<i>Conchiformibius steedae</i>	916	<i>Cronobacter sakazakii</i>
859	<i>Condylura cristata</i>	917	<i>Cronobacter</i> sp.
860	<i>Conexibacter woesei</i>	918	<i>Cronobacter turicensis</i>
861	<i>Congregibacter litoralis</i>	919	<i>Cronobacter zurichensis</i>
862	<i>Coniophora puteana</i>	920	<i>Cryptobacterium curtum</i>
863	<i>Coniosporium apollinis</i>	921	<i>Cryptobacterium</i> sp.
864	<i>Coprobacillus</i> sp.	922	<i>Cryptococcus neoformans</i>

923	<i>Cryptosporidium muris</i>
924	<i>Cucumibacter marinus</i>
925	<i>Cucumis melo</i>
926	<i>Cucumis sativus</i>
927	<i>Culex pipiens</i>
928	<i>Cupriavidus metallidurans</i>
929	<i>Cupriavidus necator</i>
930	<i>Cupriavidus</i> sp.
931	<i>Cupriavidus taiwanensis</i>
932	<i>Curtobacterium flaccumfaciens</i>
933	<i>Curtobacterium</i> sp.
934	<i>Curvibacter gracilis</i>
935	<i>Curvibacter lanceolatus</i>
936	<i>Cyanidioschyzon merolae</i>
937	<i>Cyanobacterium stanieri</i>
938	<i>Cyanobium gracile</i>
939	<i>Cyanobium</i> sp.
940	<i>Cyanothece</i> sp.
941	<i>Cyclobacterium marinum</i>
942	<i>Cynoglossus semilaevis</i>
943	<i>Cytophaga fermentans</i>
944	<i>Cytophagaceae bacterium</i>
945	<i>Cytophagales bacterium</i>
946	<i>Dactylococcopsis salina</i>
947	<i>Danio rerio</i>
948	<i>Dasybus novemcinctus</i>
949	<i>Dechloromonas agitata</i>
950	<i>Dechloromonas aromatica</i>
951	<i>Dechlorosoma suillum</i>
952	<i>Deefgea rivuli</i>
953	<i>Deferribacter desulfuricans</i>
954	<i>Deferrisoma camini</i>
955	<i>Dehalobacter</i> sp.
956	<i>Dehalococcoides ethenogenes</i>
957	<i>Dehalococcoides mccartyi</i>
958	<i>Dehalogenimonas lykanthroporepellens</i>
959	<i>Deinococcus apachensis</i>
960	<i>Deinococcus aquatilis</i>
961	<i>Deinococcus deserti</i>
962	<i>Deinococcus ficus</i>
963	<i>Deinococcus frigans</i>
964	<i>Deinococcus geothermalis</i>
965	<i>Deinococcus gobiensis</i>
966	<i>Deinococcus maricopensis</i>
967	<i>Deinococcus marmoris</i>
968	<i>Deinococcus murrayi</i>
969	<i>Deinococcus peraridilitoris</i>
970	<i>Deinococcus pimensis</i>
971	<i>Deinococcus proteolyticus</i>
972	<i>Deinococcus radiodurans</i>
973	<i>Deinococcus</i> sp.
974	<i>Deinococcus wulumuqiensis</i>
975	<i>Delftia acidovorans</i>
976	<i>Delftia</i> sp.
977	<i>Delta proteobacterium</i>
978	<i>Demetria terrigena</i>
979	<i>Denitrobacterium detoxificans</i>
980	<i>Denitrovibrio acetiphilus</i>

981	<i>Dermabacter</i> sp.
982	<i>Derxia gummosa</i>
983	<i>Desmospora</i> sp.
984	<i>Desulfarculus baarsii</i>
985	<i>Desulfatibacillum aliphaticivorans</i>
986	<i>Desulfatibacillum alkenivorans</i>
987	<i>Desulfatirhabdium butyrativorans</i>
988	<i>Desulfitibacter alkalitolerans</i>
989	<i>Desulfitobacterium dehalogenans</i>
990	<i>Desulfitobacterium dichloroeliminans</i>
991	<i>Desulfitobacterium hafniense</i>
992	<i>Desulfitobacterium</i> sp.
993	<i>Desulfobacca acetoxidans</i>
994	<i>Desulfobacter curvatus</i>
995	<i>Desulfobacter postgatei</i>
996	<i>Desulfobacterium autotrophicum</i>
997	<i>Desulfobacula</i> sp.
998	<i>Desulfobulbus elongatus</i>
999	<i>Desulfobulbus japonicus</i>
1000	<i>Desulfobulbus mediterraneus</i>
1001	<i>Desulfobulbus propionicus</i>
1002	<i>Desulfocapsa sulfexigens</i>
1003	<i>Desulfococcus oleovorans</i>
1004	<i>Desulfocurvus vexinensis</i>
1005	<i>Desulfobalobium retbaense</i>
1006	<i>Desulfomicrobium baculatum</i>
1007	<i>Desulfomicrobium escambiense</i>
1008	<i>Desulfomonile tiedjei</i>
1009	<i>Desulfonatronovibrio hydrogenovorans</i>
1010	<i>Desulfonatronum lacustre</i>
1011	<i>Desulfonatronum thiodismutans</i>
1012	<i>Desulforegula conservatrix</i>
1013	<i>Desulfosarcina</i> sp.
1014	<i>Desulfospira joergensenii</i>
1015	<i>Desulfosporosinus acidiphilus</i>
1016	<i>Desulfosporosinus meridiei</i>
1017	<i>Desulfosporosinus orientis</i>
1018	<i>Desulfosporosinus youngiae</i>
1019	<i>Desulfotalea psychrophila</i>
1020	<i>Desulfotignum balticum</i>
1021	<i>Desulfotomaculum acetoxidans</i>
1022	<i>Desulfotomaculum alcoholivorax</i>
1023	<i>Desulfotomaculum alkaliphilum</i>
1024	<i>Desulfotomaculum carboxydivorans</i>
1025	<i>Desulfotomaculum gibsoniae</i>
1026	<i>Desulfotomaculum halophilum</i>
1027	<i>Desulfotomaculum kuznetsovii</i>
1028	<i>Desulfotomaculum nigrificans</i>
1029	<i>Desulfotomaculum reducens</i>
1030	<i>Desulfotomaculum ruminis</i>
1031	<i>Desulfotomaculum thermocisternum</i>
1032	<i>Desulfovermiculum halophilum</i>
1033	<i>Desulfovibrio aespoensis</i>
1034	<i>Desulfovibrio africanus</i>
1035	<i>Desulfovibrio alaskensis</i>
1036	<i>Desulfovibrio alcoholivorans</i>
1037	<i>Desulfovibrio aminophilus</i>
1038	<i>Desulfovibrio bastinii</i>

1039	<i>Desulfovibrio</i> cf.
1040	<i>Desulfovibrio cuneatus</i>
1041	<i>Desulfovibrio frigidus</i>
1042	<i>Desulfovibrio gigas</i>
1043	<i>Desulfovibrio hydrothermalis</i>
1044	<i>Desulfovibrio inopinatus</i>
1045	<i>Desulfovibrio longus</i>
1046	<i>Desulfovibrio magneticus</i>
1047	<i>Desulfovibrio oxyclinae</i>
1048	<i>Desulfovibrio putealis</i>
1049	<i>Desulfovibrio salexigenus</i>
1050	<i>Desulfovibrio</i> sp.
1051	<i>Desulfovibrio vulgaris</i>
1052	<i>Desulfovibrio zosteræ</i>
1053	<i>Desulfovibrula thermocuniculi</i>
1054	<i>Desulfurispirillum indicum</i>
1055	<i>Desulfurispora thermophila</i>
1056	<i>Desulfurivibrio alkaliphilus</i>
1057	<i>Desulfurobacterium</i> sp.
1058	<i>Desulfurobacterium thermolithotrophum</i>
1059	<i>Desulfuromonas</i> sp.
1060	<i>Dialister invisus</i>
1061	<i>Dialister micraerophilus</i>
1062	<i>Dialister</i> sp.
1063	<i>Dialister succinatiphilus</i>
1064	<i>Diaphorina citri</i>
1065	<i>Dichomitus squalens</i>
1066	<i>Dickeya chrysanthemi</i>
1067	<i>Dickeya dadantii</i>
1068	<i>Dickeya dianthicola</i>
1069	<i>Dickeya paradisiaca</i>
1070	<i>Dickeya solani</i>
1071	<i>Dickeya zeae</i>
1072	<i>Dictyoglomus thermophilum</i>
1073	<i>Dictyoglomus turgidum</i>
1074	<i>Dictyostelium discoideum</i>
1075	<i>Dictyostelium fasciculatum</i>
1076	<i>Dielma fastidiosa</i>
1077	<i>Dietzia alimentaria</i>
1078	<i>Dietzia</i> sp.
1079	<i>Dinoroseobacter shibae</i>
1080	<i>Dolichospermum circinale</i>
1081	<i>Donghicola xiamenensis</i>
1082	<i>Dongia</i> sp.
1083	<i>Dorea</i> sp.
1084	<i>Drosophila ananassae</i>
1085	<i>Drosophila erecta</i>
1086	<i>Drosophila grimshawi</i>
1087	<i>Drosophila melanogaster</i>
1088	<i>Drosophila mojavensis</i>
1089	<i>Drosophila persimilis</i>
1090	<i>Drosophila sechellia</i>
1091	<i>Drosophila simulans</i>
1092	<i>Drosophila virilis</i>
1093	<i>Drosophila willistoni</i>
1094	<i>Drosophila yakuba</i>
1095	<i>Duganella violaceinigra</i>
1096	<i>Duganella zoogloeoides</i>

1097	<i>Dyadobacter alkalitolerans</i>
1098	<i>Dyadobacter beijingensis</i>
1099	<i>Dyadobacter crusticola</i>
1100	<i>Dyadobacter fermentans</i>
1101	<i>Dyella ginsengisoli</i>
1102	<i>Dyella japonica</i>
1103	<i>Dysgonomonas capnocytophagoides</i>
1104	<i>Dysgonomonas gadei</i>
1105	<i>Dysgonomonas mossii</i>
1106	<i>Echinicola vietnamensis</i>
1107	<i>Echinops telfairi</i>
1108	<i>Edwardsiella tarda</i>
1109	<i>Eggerthella lenta</i>
1110	<i>Eggerthella</i> sp.
1111	<i>Eggerthia catenaformis</i>
1112	<i>Ehrlichia muris</i>
1113	<i>Eikenella corrodens</i>
1114	<i>Elephantulus edwardii</i>
1115	<i>Elioraea tepidiphila</i>
1116	<i>Elizabethkingia meningoseptica</i>
1117	<i>Elusimicrobium minutum</i>
1118	<i>Emiliana huxleyi</i>
1119	<i>Emticicia oligotrophica</i>
1120	<i>Endozoicomonas elysicola</i>
1121	<i>Enorma massiliensis</i>
1122	<i>Ensifer adhaerens</i>
1123	<i>Ensifer</i> sp.
1124	<i>Entamoeba dispar</i>
1125	<i>Entamoeba histolytica</i>
1126	<i>Entamoeba invadens</i>
1127	<i>Entamoeba nuttalli</i>
1128	<i>Enterobacter aerogenes</i>
1129	<i>Enterobacter asburiae</i>
1130	<i>Enterobacter cancerogenus</i>
1131	<i>Enterobacter cloacae</i>
1132	<i>Enterobacter hormaechei</i>
1133	<i>Enterobacter mori</i>
1134	<i>Enterobacter radicincitans</i>
1135	<i>Enterobacter</i> sp.
1136	<i>Enterobacteriaceae bacterium</i>
1137	<i>Enterocytozoon bienensei</i>
1138	<i>Enterorhabdus caecimuris</i>
1139	<i>Enterorhabdus mucosicola</i>
1140	<i>Enterovibrio calviensis</i>
1141	<i>Enterovibrio norvegicus</i>
1142	<i>Entomoplasma lucivorax</i>
1143	<i>Entomoplasma luminosum</i>
1144	<i>Entomoplasma melaleuca</i>
1145	<i>Entomoplasma somnilux</i>
1146	<i>Epilithonimonas tenax</i>
1147	<i>Eptesicus fuscus</i>
1148	<i>Epulopiscium</i> sp.
1149	<i>Equus caballus</i>
1150	<i>Equus przewalskii</i>
1151	<i>Eremococcus coleocola</i>
1152	<i>Erinaceus europaeus</i>
1153	<i>Erwinia amylovora</i>
1154	<i>Erwinia billingiae</i>

1155	<i>Erwinia</i> phage	1213	<i>Flavobacterium</i> branchiophilum
1156	<i>Erwinia</i> toletana	1214	<i>Flavobacterium</i> chungangense
1157	<i>Erwinia</i> tracheiphila	1215	<i>Flavobacterium</i> denitrificans
1158	<i>Erysipelothrix</i> rhusiopathiae	1216	<i>Flavobacterium</i> frigidarium
1159	<i>Erysipelothrix</i> tonsillarum	1217	<i>Flavobacterium</i> gelidilacus
1160	Erysipelotrichaceae bacterium	1218	<i>Flavobacterium</i> indicum
1161	<i>Erythrobacter</i> litoralis	1219	<i>Flavobacterium</i> johnsoniae
1162	<i>Erythrobacter</i> sp.	1220	<i>Flavobacterium</i> rivuli
1163	<i>Ethanoligenens</i> harbinense	1221	<i>Flavobacterium</i> sasangense
1164	Eubacteriaceae bacterium	1222	<i>Flavobacterium</i> soli
1165	<i>Eubacterium</i> bifforme	1223	<i>Flavobacterium</i> sp.
1166	<i>Eubacterium</i> brachy	1224	<i>Flavobacterium</i> subsaxonicum
1167	<i>Eubacterium</i> cellulosolvens	1225	<i>Flavobacterium</i> succinicans
1168	<i>Eubacterium</i> coprostanoligenes	1226	<i>Flavobacterium</i> suncheonense
1169	<i>Eubacterium</i> cylindroides	1227	<i>Flavonifractor</i> plautii
1170	<i>Eubacterium</i> desmolans	1228	<i>Flectobacillus</i> major
1171	<i>Eubacterium</i> dolichum	1229	<i>Flexibacter</i> roseolus
1172	<i>Eubacterium</i> infirmum	1230	<i>Flexistipes</i> sinusarabici
1173	<i>Eubacterium</i> limosum	1231	<i>Flexithrix</i> dorotheae
1174	<i>Eubacterium</i> plexicaudatum	1232	<i>Fluviicola</i> taffensis
1175	<i>Eubacterium</i> ramulus	1233	<i>Fodinicurvata</i> fenggangensis
1176	<i>Eubacterium</i> saburreum	1234	<i>Fodinicurvata</i> sediminis
1177	<i>Eubacterium</i> saphenum	1235	<i>Fragaria</i> vesca
1178	<i>Eubacterium</i> sp.	1236	<i>Francisella</i> cf.
1179	<i>Eubacterium</i> xylanophilum	1237	<i>Francisella</i> sp.
1180	<i>Eubacterium</i> yurii	1238	<i>Frankia</i> alni
1181	<i>Eudoraea</i> adriatica	1239	<i>Frankia</i> sp.
1182	<i>Eutrema</i> salsugineum	1240	<i>Frankia</i> symbiont
1183	<i>Eutypa</i> lata	1241	<i>Frateuria</i> aurantia
1184	<i>Exiguobacterium</i> acetylicum	1242	<i>Fructobacillus</i> fructosus
1185	<i>Exiguobacterium</i> antarcticum	1243	<i>Fusicatenibacter</i> saccharivorans
1186	<i>Exiguobacterium</i> aurantiacum	1244	<i>Fusobacterium</i> gonidiaformans
1187	<i>Exiguobacterium</i> oxidotolerans	1245	<i>Fusobacterium</i> mortiferum
1188	<i>Exiguobacterium</i> pavilionensis	1246	<i>Fusobacterium</i> necrophorum
1189	<i>Exiguobacterium</i> sibiricum	1247	<i>Fusobacterium</i> nucleatum
1190	<i>Exiguobacterium</i> sp.	1248	<i>Fusobacterium</i> perfoetens
1191	<i>Exiguobacterium</i> undae	1249	<i>Fusobacterium</i> periodonticum
1192	<i>Facklamia</i> hominis	1250	<i>Fusobacterium</i> russii
1193	<i>Facklamia</i> ignava	1251	<i>Fusobacterium</i> sp.
1194	<i>Facklamia</i> languida	1252	<i>Fusobacterium</i> ulcerans
1195	<i>Falco</i> cherrug	1253	<i>Fusobacterium</i> varium
1196	<i>Falco</i> peregrinus	1254	<i>Gaeumannomyces</i> graminis
1197	<i>Felis</i> catus	1255	<i>Galeopterus</i> variegatus
1198	<i>Ferrimonas</i> balearica	1256	<i>Gallibacterium</i> anatis
1199	<i>Ferrimonas</i> futtsuensis	1257	<i>Gallus</i> gallus
1200	<i>Ferrimonas</i> kyonanensis	1258	<i>Gamma</i> proteobacterium
1201	<i>Ferrimonas</i> senticii	1259	gamma proteobacterium
1202	<i>Ferrovum</i> myxofaciens	1260	<i>Gardnerella</i> vaginalis
1203	<i>Fibrella</i> aestuarina	1261	<i>Gayadomonas</i> joobiniege
1204	<i>Fibrobacter</i> succinogenes	1262	<i>Geitlerinema</i> sp.
1205	<i>Ficedula</i> albicollis	1263	<i>Gelidibacter</i> mesophilus
1206	<i>Filifactor</i> alocis	1264	<i>Gemella</i> bergeriae
1207	<i>Finegoldia</i> magna	1265	<i>Gemella</i> cuniculi
1208	<i>Firmicutes</i> bacterium	1266	<i>Gemella</i> haemolysans
1209	<i>Fischerella</i> muscicola	1267	<i>Gemella</i> moribillum
1210	<i>Fischerella</i> sp.	1268	<i>Gemella</i> sanguinis
1211	<i>Fischerella</i> thermalis	1269	<i>Geminococcus</i> roseus
1212	Flavobacteriaceae bacterium	1270	<i>Geminocystis</i> herdmanii

1271	<i>Gemmata obscuriglobus</i>	1329	<i>Gracilimonas tropica</i>
1272	<i>Gemmatimonadetes bacterium</i>	1330	<i>Gramella forsetii</i>
1273	<i>Gemmatimonas aurantiaca</i>	1331	<i>Gramella portivictoriae</i>
1274	<i>Gemmatimonas sp.</i>	1332	<i>Granulibacter bethesdensis</i>
1275	<i>Gemmiger formicilis</i>	1333	<i>Granulicatella adiacens</i>
1276	<i>Gemmobacter nectariphilus</i>	1334	<i>Granulicatella elegans</i>
1277	<i>Geobacillus caldoxylosilyticus</i>	1335	<i>Granulicella mallensis</i>
1278	<i>Geobacillus kaustophilus</i>	1336	<i>Granulicella tundricola</i>
1279	<i>Geobacillus sp.</i>	1337	<i>Granulicoccus phenolivorans</i>
1280	<i>Geobacillus thermocatenuatus</i>	1338	<i>Gryllotalpicola ginsengisoli</i>
1281	<i>Geobacillus thermodenitrificans</i>	1339	<i>Guillardia theta</i>
1282	<i>Geobacillus thermoglucosidans</i>	1340	<i>Gulosibacter molinativorax</i>
1283	<i>Geobacillus vulcani</i>	1341	<i>Haemophilus influenzae</i>
1284	<i>Geobacter bemidjiensis</i>	1342	<i>Haemophilus parasuis</i>
1285	<i>Geobacter bremensis</i>	1343	<i>Haemophilus sputorum</i>
1286	<i>Geobacter daltonii</i>	1344	<i>Hafnia alvei</i>
1287	<i>Geobacter lovleyi</i>	1345	<i>Hahella chejuensis</i>
1288	<i>Geobacter metallireducens</i>	1346	<i>Hahella ganghwensis</i>
1289	<i>Geobacter sp.</i>	1347	<i>Haladaptatus paucihalophilus</i>
1290	<i>Geobacter sulfurreducens</i>	1348	<i>Halanaerobium hydrogeniformans</i>
1291	<i>Geobacter uraniireducens</i>	1349	<i>Haliangium ochraceum</i>
1292	<i>Geodermatophilaceae bacterium</i>	1350	<i>Haliscomenobacter hydrossis</i>
1293	<i>Geodermatophilus obscurus</i>	1351	<i>Hallella seregens</i>
1294	<i>Geopsychrobacter electrodiphilus</i>	1352	<i>Haloarcula hispanica</i>
1295	<i>Geospiza fortis</i>	1353	<i>Haloarcula marismortui</i>
1296	<i>Geothrix fermentans</i>	1354	<i>Halobacillus halophilus</i>
1297	<i>Geovibrio sp.</i>	1355	<i>Halobacillus kuroshimensis</i>
1298	<i>Gillisia limnaea</i>	1356	<i>Halobacterium salinarum</i>
1299	<i>Gillisia sp.</i>	1357	<i>Halobacteroides halobius</i>
1300	<i>Gilvimarinus chinensis</i>	1358	<i>Halobiforma lacisalsi</i>
1301	<i>Glaciacola nitratireducens</i>	1359	<i>Halococcus hamelinensis</i>
1302	<i>Glaciacola sp.</i>	1360	<i>Haloferax mediterranei</i>
1303	<i>Glaciibacter superstes</i>	1361	<i>Haloferax volcanii</i>
1304	<i>Glarea lozoyensis</i>	1362	<i>Haloglycomyces albus</i>
1305	<i>Gloeobacter kilaeuensis</i>	1363	<i>Halomicrobium katesii</i>
1306	<i>Gloeobacter violaceus</i>	1364	<i>Halomonas anticariensis</i>
1307	<i>Gloeocapsa sp.</i>	1365	<i>Halomonas boliviensis</i>
1308	<i>Glomeribacter sp.</i>	1366	<i>Halomonas elongata</i>
1309	<i>Gluconacetobacter diazotrophicus</i>	1367	<i>Halomonas halocynthiae</i>
1310	<i>Gluconacetobacter europaeus</i>	1368	<i>Halomonas halodenitrificans</i>
1311	<i>Gluconacetobacter hansenii</i>	1369	<i>Halomonas jeotgali</i>
1312	<i>Gluconacetobacter sp.</i>	1370	<i>Halomonas smymensis</i>
1313	<i>Gluconacetobacter xylinus</i>	1371	<i>Halomonas sp.</i>
1314	<i>Gluconobacter frateurii</i>	1372	<i>Halomonas stevensii</i>
1315	<i>Gluconobacter oxydans</i>	1373	<i>Halomonas zhanjiangensis</i>
1316	<i>Glycine max</i>	1374	<i>Halomonas zincidurans</i>
1317	<i>Glycomyces arizonensis</i>	1375	<i>Halonatronum saccharophilum</i>
1318	<i>Glycomyces sp.</i>	1376	<i>halophilic archaeon</i>
1319	<i>Gordonia amicalis</i>	1377	<i>Halopiger xanaduensis</i>
1320	<i>Gordonia bronchialis</i>	1378	<i>Haloplasma contractile</i>
1321	<i>Gordonia hirsuta</i>	1379	<i>Haloquadratum walsbyi</i>
1322	<i>Gordonia kroppenstedtii</i>	1380	<i>Halorhodospira halochloris</i>
1323	<i>Gordonia polyisoprenivorans</i>	1381	<i>Halorhodospira halophila</i>
1324	<i>Gordonia shandongensis</i>	1382	<i>Halorubrum lacusprofundi</i>
1325	<i>Gorilla gorilla</i>	1383	<i>Halotalea alkalilenta</i>
1326	<i>Gracilaria salicornia</i>	1384	<i>Haloterrigena turkmenica</i>
1327	<i>Gracilibacillus lacisalsi</i>	1385	<i>Halothermothrix orenii</i>
1328	<i>Gracilibacter thermotolerans</i>	1386	<i>Halothiobacillus neapolitanus</i>

1387	<i>Halovivax ruber</i>
1388	<i>Hamadaea tsunoensis</i>
1389	<i>Hammondia hammondi</i>
1390	<i>Haplochromis burtoni</i>
1391	<i>Helcococcus kunzii</i>
1392	<i>Helcococcus sueciensis</i>
1393	<i>Helicobacter bilis</i>
1394	<i>Helicobacter bizzozeronii</i>
1395	<i>Helicobacter canadensis</i>
1396	<i>Helicobacter cetorum</i>
1397	<i>Helicobacter felis</i>
1398	<i>Helicobacter hepaticus</i>
1399	<i>Helicobacter pullorum</i>
1400	<i>Helicobacter pylori</i>
1401	<i>Helicobacter rodentium</i>
1402	<i>Helicobacter winghamensis</i>
1403	<i>Heliobacterium modesticaldum</i>
1404	<i>Hellea balneolensis</i>
1405	<i>Helobdella robusta</i>
1406	<i>Henriciella marina</i>
1407	<i>Herbaspirillum lusitanum</i>
1408	<i>Herbaspirillum massiliense</i>
1409	<i>Herbaspirillum rubrisubalbicans</i>
1410	<i>Herbaspirillum seropedicae</i>
1411	<i>Herbidospora cretacea</i>
1412	<i>Herminiimonas</i> sp.
1413	<i>Herpetosiphon aurantiacus</i>
1414	<i>Heterocephalus glaber</i>
1415	<i>Hippea alviniae</i>
1416	<i>Hippea</i> sp.
1417	<i>Hirschia baltica</i>
1418	<i>Hoeflea phototrophica</i>
1419	<i>Hoeflea</i> sp.
1420	<i>Holophaga foetida</i>
1421	<i>Homo sapiens</i>
1422	<i>Howardella ureilytica</i>
1423	<i>Humibacter albus</i>
1424	<i>Hydra magnipapillata</i>
1425	<i>Hymenobacter aerophilus</i>
1426	<i>Hymenobacter norwichensis</i>
1427	<i>Hyphomicrobium denitrificans</i>
1428	<i>Hyphomicrobium nitrativorans</i>
1429	<i>Hyphomicrobium</i> sp.
1430	<i>Hyphomicrobium zavarzinii</i>
1431	<i>Hyphomonas neptunium</i>
1432	<i>Ichthyophthirius multifiliis</i>
1433	<i>Ideonella</i> sp.
1434	<i>Idiomarina loihiensis</i>
1435	<i>Idiomarina sediminum</i>
1436	<i>Ignatzschineria larvae</i>
1437	<i>Ignavibacterium album</i>
1438	<i>Ignicoccus hospitalis</i>
1439	<i>Ilyobacter polytropus</i>
1440	<i>Inquilinus limosus</i>
1441	<i>Intestinimonas butyriciproducens</i>
1442	<i>Intrasporangiaceae bacterium</i>
1443	<i>Intrasporangium calvum</i>
1444	<i>Isoptericola variabilis</i>

1445	<i>Isosphaera pallida</i>
1446	<i>Ixodes scapularis</i>
1447	<i>Jaculus jaculus</i>
1448	<i>Jakoba bahamiensis</i>
1449	<i>Janibacter</i> sp.
1450	<i>Jannaschia</i> sp.
1451	<i>Janthinobacterium lividum</i>
1452	<i>Janthinobacterium</i> sp.
1453	<i>Jeotgalicoccus marinus</i>
1454	<i>Jeotgalicoccus psychrophilus</i>
1455	<i>Jiangella gansuensis</i>
1456	<i>Johnsonella ignava</i>
1457	<i>Jonesia quinghaiensis</i>
1458	<i>Jonquetella anthropi</i>
1459	<i>Joostella marina</i>
1460	<i>Kaistia adipata</i>
1461	<i>Kaistia granuli</i>
1462	<i>Kamptonema formosum</i>
1463	<i>Kandleria vitulina</i>
1464	<i>Kangiella aquimarina</i>
1465	<i>Ketogulonigenium vulgare</i>
1466	<i>Kineococcus radiotolerans</i>
1467	<i>Kingella denitrificans</i>
1468	<i>Kingella oralis</i>
1469	<i>Kitasatospora setae</i>
1470	<i>Kitasatospora</i> sp.
1471	<i>Klebsiella oxytoca</i>
1472	<i>Klebsiella pneumoniae</i>
1473	<i>Klebsiella</i> sp.
1474	<i>Klebsiella variicola</i>
1475	<i>Kocuria atrinae</i>
1476	<i>Kocuria rhizophila</i>
1477	<i>Kocuria</i> sp.
1478	<i>Kordia algicida</i>
1479	<i>Kordiimonas gwangyangensis</i>
1480	<i>Kosmotoga olearia</i>
1481	<i>Kozakia baliensis</i>
1482	<i>Kribbella catacumbae</i>
1483	<i>Kribbella flavida</i>
1484	<i>Kurthia huakuii</i>
1485	<i>Kurthia massiliensis</i>
1486	<i>Kurthia</i> sp.
1487	<i>Kushneria aurantia</i>
1488	<i>Kutzneria albida</i>
1489	<i>Kyrpidia tusciae</i>
1490	<i>Labrenzia alexandrii</i>
1491	<i>Labrenzia</i> sp.
1492	<i>Lachnobacterium bovis</i>
1493	<i>Lachnoclostridium phytofermentans</i>
1494	<i>Lachnospira multipara</i>
1495	<i>Lachnospira pectinoschiza</i>
1496	<i>Lachnospiraceae bacterium</i>
1497	<i>Lachnospiraceae oral</i>
1498	<i>Lacinutrix</i> sp.
1499	<i>Lacticigenium naphtae</i>
1500	<i>Lactobacillus acidiphiscis</i>
1501	<i>Lactobacillus acidophilus</i>
1502	<i>Lactobacillus amylovorus</i>

1503	<i>Lactobacillus antri</i>
1504	<i>Lactobacillus apodemi</i>
1505	<i>Lactobacillus buchneri</i>
1506	<i>Lactobacillus casei</i>
1507	<i>Lactobacillus ceti</i>
1508	<i>Lactobacillus coryniformis</i>
1509	<i>Lactobacillus delbrueckii</i>
1510	<i>Lactobacillus equi</i>
1511	<i>Lactobacillus farciminis</i>
1512	<i>Lactobacillus fermentum</i>
1513	<i>Lactobacillus gasseri</i>
1514	<i>Lactobacillus hamsteri</i>
1515	<i>Lactobacillus harbinensis</i>
1516	<i>Lactobacillus hayakitensis</i>
1517	<i>Lactobacillus helveticus</i>
1518	<i>Lactobacillus hilgardii</i>
1519	<i>Lactobacillus iners</i>
1520	<i>Lactobacillus jensenii</i>
1521	<i>Lactobacillus johnsonii</i>
1522	<i>Lactobacillus kefiranofaciens</i>
1523	<i>Lactobacillus kitasatonis</i>
1524	<i>Lactobacillus mali</i>
1525	<i>Lactobacillus namurensis</i>
1526	<i>Lactobacillus nodensis</i>
1527	<i>Lactobacillus parabrevis</i>
1528	<i>Lactobacillus paracasei</i>
1529	<i>Lactobacillus parafarraginis</i>
1530	<i>Lactobacillus paralimentarius</i>
1531	<i>Lactobacillus plantarum</i>
1532	<i>Lactobacillus pobuzihii</i>
1533	<i>Lactobacillus psittaci</i>
1534	<i>Lactobacillus reuteri</i>
1535	<i>Lactobacillus rhamnosus</i>
1536	<i>Lactobacillus rossiae</i>
1537	<i>Lactobacillus sakei</i>
1538	<i>Lactobacillus salivarius</i>
1539	<i>Lactobacillus sanfranciscensis</i>
1540	<i>Lactobacillus shenzhenensis</i>
1541	<i>Lactobacillus sp.</i>
1542	<i>Lactobacillus suebicus</i>
1543	<i>Lactobacillus versmoldensis</i>
1544	<i>Lactobacillus zeae</i>
1545	<i>Lactococcus garvieae</i>
1546	<i>Lactococcus lactis</i>
1547	<i>Lactococcus phage</i>
1548	<i>Lactonifactor longoviformis</i>
1549	<i>Lamprocystis purpurea</i>
1550	<i>Laribacter hongkongensis</i>
1551	<i>Latimeria chalumnae</i>
1552	<i>Lautropia mirabilis</i>
1553	<i>Leadbetterella byssophila</i>
1554	<i>Lebetimonas sp.</i>
1555	<i>Lechevalieria aerocolonigenes</i>
1556	<i>Leeia oryzae</i>
1557	<i>Leeuwenhoekiiella blandensis</i>
1558	<i>Leeuwenhoekiiella sp.</i>
1559	<i>Legionella cherrii</i>
1560	<i>Legionella drancourtii</i>

1561	<i>Legionella geestiana</i>
1562	<i>Legionella longbeachae</i>
1563	<i>Legionella pneumophila</i>
1564	<i>Leifsonia aquatica</i>
1565	<i>Leifsonia sp.</i>
1566	<i>Leifsonia xyli</i>
1567	<i>Leishmania braziliensis</i>
1568	<i>Leishmania infantum</i>
1569	<i>Leishmania mexicana</i>
1570	<i>Leisingera aquimarina</i>
1571	<i>Leisingera methylohalidivorans</i>
1572	<i>Leisingera nanhaiensis</i>
1573	<i>Leminorella grimontii</i>
1574	<i>Lentibacillus jeotgali</i>
1575	<i>Lentisphaerae bacterium</i>
1576	<i>Lentzea albidocapillata</i>
1577	<i>Lepistosteus oculatus</i>
1578	<i>Leptolyngbya boryana</i>
1579	<i>Leptolyngbya sp.</i>
1580	<i>Leptonema illini</i>
1581	<i>Leptonychotes weddellii</i>
1582	<i>Leptosphaeria maculans</i>
1583	<i>Leptospira borgpetersenii</i>
1584	<i>Leptospira kirschneri</i>
1585	<i>Leptospirillum ferriphilum</i>
1586	<i>Leptothrix cholodnii</i>
1587	<i>Leptotrichia goodfellowii</i>
1588	<i>Leptotrichia hofstadii</i>
1589	<i>Leptotrichia shahii</i>
1590	<i>Leptotrichia sp.</i>
1591	<i>Leptotrichia trevisanii</i>
1592	<i>Leptotrichia wadei</i>
1593	<i>Leucobacter chironomi</i>
1594	<i>Leucobacter chromiirestis</i>
1595	<i>Leucobacter salsicium</i>
1596	<i>Leucobacter sp.</i>
1597	<i>Leuconostoc citreum</i>
1598	<i>Leuconostoc fallax</i>
1599	<i>Leuconostoc gelidum</i>
1600	<i>Leuconostoc inhae</i>
1601	<i>Leuconostoc kimchii</i>
1602	<i>Leuconostoc lactis</i>
1603	<i>Leuconostoc pseudomesenteroides</i>
1604	<i>Leucothrix mucor</i>
1605	<i>Lewinella cohaerens</i>
1606	<i>Lewinella persica</i>
1607	<i>Liberibacter crescens</i>
1608	<i>Limnohabitans sp.</i>
1609	<i>Lipotes vexillifer</i>
1610	<i>Listeria grayi</i>
1611	<i>Listeria innocua</i>
1612	<i>Listeria monocytogenes</i>
1613	<i>Listeria welshimeri</i>
1614	<i>Listonella anguillarum</i>
1615	<i>Lithodesmium undulatum</i>
1616	<i>Loa loa</i>
1617	<i>Loktanella hongkongensis</i>
1618	<i>Loktanella vestfoldensis</i>

1619	<i>Longispora albida</i>
1620	<i>Lonsdalea quercina</i>
1621	<i>Lottia gigantea</i>
1622	<i>Loxodonta africana</i>
1623	<i>Luteimonas huabeiensis</i>
1624	<i>Luteimonas mephitis</i>
1625	<i>Luteimonas</i> sp.
1626	<i>Lyngbya majuscula</i>
1627	<i>Lysinibacillus boronitolerans</i>
1628	<i>Lysinibacillus fusiformis</i>
1629	<i>Lysinibacillus massiliensis</i>
1630	<i>Lysinibacillus sphaericus</i>
1631	<i>Lysobacter antibioticus</i>
1632	<i>Lysobacter</i> sp.
1633	<i>Macaca fascicularis</i>
1634	<i>Macaca mulatta</i>
1635	<i>Macrococcus caseolyticus</i>
1636	<i>Magnetococcus marinus</i>
1637	<i>Magnetospirillum gryphiswaldense</i>
1638	<i>Magnetospirillum magneticum</i>
1639	<i>Mahella australiensis</i>
1640	<i>Malus</i> x
1641	<i>Manacus vitellinus</i>
1642	<i>Mannheimia haemolytica</i>
1643	<i>Maribacter antarcticus</i>
1644	<i>Maribacter</i> sp.
1645	<i>Maricaulis maris</i>
1646	<i>Maricaulis</i> sp.
1647	<i>marine gamma</i>
1648	<i>Marinilabilia salmonicolor</i>
1649	<i>Marinimicrobia bacterium</i>
1650	<i>Marinimicrobium agarilyticum</i>
1651	<i>Marinimicrobium</i> sp.
1652	<i>Marinithermus hydrothermalis</i>
1653	<i>Marinitoga piezophila</i>
1654	<i>Marinobacter aquaeolei</i>
1655	<i>Marinobacter daepoensis</i>
1656	<i>Marinobacter lipolyticus</i>
1657	<i>Marinobacter nanhaiticus</i>
1658	<i>Marinobacter</i> sp.
1659	<i>Marinobacterium jannaschii</i>
1660	<i>Marinobacterium litorale</i>
1661	<i>Marinobacterium rhizophilum</i>
1662	<i>Marinobacterium stanieri</i>
1663	<i>Marinococcus halotolerans</i>
1664	<i>Marinomonas mediterranea</i>
1665	<i>Marinomonas posidonica</i>
1666	<i>Marinomonas</i> sp.
1667	<i>Marinospirillum insulare</i>
1668	<i>Marinospirillum minutulum</i>
1669	<i>Mariprofundus ferrooxydans</i>
1670	<i>Maritalea myrionectae</i>
1671	<i>Maritimibacter alkaliphilus</i>
1672	<i>Marivirga tractuosa</i>
1673	<i>Marmoricola aequoreus</i>
1674	<i>Marmoricola</i> sp.
1675	<i>Marssonina brunnea</i>
1676	<i>Martelella mediterranea</i>

1677	<i>Martelella</i> sp.
1678	<i>Massilia alkalitolerans</i>
1679	<i>Massilia niastensis</i>
1680	<i>Massilia timonae</i>
1681	<i>Mastigocladopsis repens</i>
1682	<i>Mastigocoleus testarum</i>
1683	<i>Maylandia zebra</i>
1684	<i>Medicago truncatula</i>
1685	<i>Megachile rotundata</i>
1686	<i>Megamonas funiformis</i>
1687	<i>Megamonas hypermegale</i>
1688	<i>Meganema perideroedes</i>
1689	<i>Megasphaera elsdenii</i>
1690	<i>Megasphaera micronuciformis</i>
1691	<i>Meiothermus cerbereus</i>
1692	<i>Meiothermus chliarophilus</i>
1693	<i>Meiothermus ruber</i>
1694	<i>Meiothermus rufus</i>
1695	<i>Meiothermus silvanus</i>
1696	<i>Meiothermus taiwanensis</i>
1697	<i>Meiothermus timidus</i>
1698	<i>Melampsora larici-populina</i>
1699	<i>Meleagris gallopavo</i>
1700	<i>Melissococcus plutonius</i>
1701	<i>Melitea salexigens</i>
1702	<i>Melopsittacus undulatus</i>
1703	<i>Merops nubicus</i>
1704	<i>Mesocricetus auratus</i>
1705	<i>Mesoplasma chauliocola</i>
1706	<i>Mesoplasma florum</i>
1707	<i>Mesoplasma grammopterae</i>
1708	<i>Mesoplasma syrphidae</i>
1709	<i>Mesorhizobium australicum</i>
1710	<i>Mesorhizobium ciceri</i>
1711	<i>Mesorhizobium loti</i>
1712	<i>Mesorhizobium</i> sp.
1713	<i>Mesotoga prima</i>
1714	<i>Metarhizium acridum</i>
1715	<i>Metarhizium anisopliae</i>
1716	<i>Metascardovia criceti</i>
1717	<i>Metaseiulus occidentalis</i>
1718	<i>Methanobacterium</i> sp.
1719	<i>Methanobrevibacter smithii</i>
1720	<i>Methanobrevibacter</i> sp.
1721	<i>Methanocaldococcus fervens</i>
1722	<i>Methanocaldococcus jannaschii</i>
1723	<i>Methanocella arvoryzae</i>
1724	<i>Methanocella paludicola</i>
1725	<i>Methanococcoides burtonii</i>
1726	<i>Methanococcus aeolicus</i>
1727	<i>Methanococcus maripaludis</i>
1728	<i>Methanococcus voltae</i>
1729	<i>Methanocorpusculum labreanum</i>
1730	<i>Methanoculleus bourgensis</i>
1731	<i>Methanoculleus marisnigri</i>
1732	<i>Methanoculleus</i> sp.
1733	<i>Methanofollis liminatans</i>
1734	<i>Methanolobus psychrophilus</i>

1735	<i>Methanomassiliococcus luminyensis</i>	1793	<i>Microbacterium paraoxydans</i>
1736	<i>Methanomassiliococcus</i> sp.	1794	<i>Microbacterium</i> sp.
1737	<i>Methanomethylovorans hollandica</i>	1795	<i>Microbacterium testaceum</i>
1738	<i>Methanoplanus limicola</i>	1796	<i>Microbacterium yannicii</i>
1739	<i>Methanoplanus petrolearius</i>	1797	<i>Microbispora rosea</i>
1740	<i>Methanoregula boonei</i>	1798	<i>Microbulbifer agarilyticus</i>
1741	<i>Methanoregula formicicum</i>	1799	<i>Microbulbifer variabilis</i>
1742	<i>Methanosaeta harundinacea</i>	1800	<i>Micrococcus luteus</i>
1743	<i>Methanosaeta thermophila</i>	1801	<i>Microcoleus</i> sp.
1744	<i>Methanosalsum zhilinae</i>	1802	<i>Microcystis aeruginosa</i>
1745	<i>Methanosarcina barkeri</i>	1803	<i>Microcystis aeruginosa</i>
1746	<i>Methanosarcina mazei</i>	1804	<i>Microlunatus ginsengisoli</i>
1747	<i>Methanosphaera stadtmanae</i>	1805	<i>Microlunatus phosphovorus</i>
1748	<i>Methanospirillum hungatei</i>	1806	<i>Micromonas pusilla</i>
1749	<i>Methanothermobacter thermautotrophicus</i>	1807	<i>Micromonospora chokoriensis</i>
1750	<i>Methanothermococcus okinawensis</i>	1808	<i>Micromonospora globosa</i>
1751	<i>Methylacidiphilum infernorum</i>	1809	<i>Micromonospora parva</i>
1752	<i>Methylbium petroleiphilum</i>	1810	<i>Micromonospora purpureochromogenes</i>
1753	<i>Methylobacillus flagellatus</i>	1811	<i>Micromonospora sp.</i>
1754	<i>Methylobacillus glycogenes</i>	1812	<i>Microplitis demolitor</i>
1755	<i>Methylobacter luteus</i>	1813	<i>Microtetraspora glauca</i>
1756	<i>Methylobacter marinus</i>	1814	<i>Microtus ochrogaster</i>
1757	<i>Methylobacter tundripaludum</i>	1815	<i>Microvirga</i> sp.
1758	<i>Methylobacterium extorquens</i>	1816	<i>Microvirgula aerodenitrificans</i>
1759	<i>Methylobacterium nodulans</i>	1817	<i>Millerozyma farinosa</i>
1760	<i>Methylobacterium populi</i>	1818	<i>Mimivirus terra2</i>
1761	<i>Methylobacterium radiotolerans</i>	1819	<i>Mitsuokella multacida</i>
1762	<i>Methylobacterium</i> sp.	1820	<i>Mitsuokella</i> sp.
1763	<i>Methyllocaldum szegediense</i>	1821	<i>Mobiluncus curtisii</i>
1764	<i>Methylocella silvestris</i>	1822	<i>Mobiluncus mulieris</i>
1765	<i>Methylococcus capsulatus</i>	1823	<i>Modestobacter marinus</i> ,
1766	<i>Methylocystis parvus</i>	1824	<i>Mogibacterium neglectum</i>
1767	<i>Methylocystis rosea</i>	1825	<i>Mogibacterium pumilum</i>
1768	<i>Methyloferula stellata</i>	1826	<i>Moniliophthora perniciosa</i>
1769	<i>Methylohalobius crimeensis</i>	1827	<i>Monodelphis domestica</i>
1770	<i>Methylomarinum vadi</i>	1828	<i>Monosiga brevicollis</i>
1771	<i>Methylomicrobium agile</i>	1829	<i>Moorella thermoacetica</i>
1772	<i>Methylomicrobium buryatense</i>	1830	<i>Moraxella boevrei</i>
1773	<i>Methylomonas methanica</i>	1831	<i>Moraxella caprae</i>
1774	<i>Methylomonas</i> sp.	1832	<i>Morganella morganii</i>
1775	<i>Methylophilus</i> sp.	1833	<i>Moritella marina</i>
1776	<i>Methylopila</i> sp.	1834	<i>Mucilaginibacter paludis</i>
1777	<i>Methylosarcina fibrata</i>	1835	<i>Mucispirillum schaedleri</i>
1778	<i>Methylosarcina lacus</i>	1836	<i>Muricauda ruestringensis</i>
1779	<i>Methylosinus</i> sp.	1837	<i>Mus musculus</i>
1780	<i>Methylosinus trichosporium</i>	1838	<i>Musca domestica</i>
1781	<i>Methylotenera mobilis</i>	1839	<i>Mustela putorius</i>
1782	<i>Methyloversatilis</i> sp.	1840	<i>Myceliophthora thermophila</i>
1783	<i>Methyloversatilis universalis</i>	1841	<i>Mycetocola saprophylicus</i>
1784	<i>Methylovorus glucosetrophus</i>	1842	<i>Mycoplasma agalactiae</i>
1785	<i>Methylovorus</i> sp.	1843	<i>Mycoplasma crocodyli</i>
1786	<i>Methylovulum miyakonense</i>	1844	<i>Mycoplasma gallinarum</i>
1787	<i>Micavibrio aeruginosavorus</i>	1845	<i>Mycoplasma gallisepticum</i>
1788	<i>Microbacterium barkeri</i>	1846	<i>Mycoplasma hyopneumoniae</i>
1789	<i>Microbacterium gubbeenense</i>	1847	<i>Mycoplasma hyorhinis</i>
1790	<i>Microbacterium indicum</i>	1848	<i>Mycoplasma lipofaciens</i>
1791	<i>Microbacterium luticocti</i>	1849	<i>Mycoplasma moatsii</i>
1792	<i>Microbacterium maritypicum</i>	1850	<i>Mycoplasma mobile</i>
			<i>Mycoplasma molare</i>

1851	<i>Mycoplasma mycoides</i>	1909	<i>Nitrobacter hamburgensis</i>
1852	<i>Mycoplasma orale</i>	1910	<i>Nitrobacter</i> sp.
1853	<i>Mycoplasma penetrans</i>	1911	<i>Nitrococcus mobilis</i>
1854	<i>Mycoplasma pirum</i>	1912	<i>Nitrosomonas cryotolerans</i>
1855	<i>Mycoplasma pulmonis</i>	1913	<i>Nitrosomonas europaea</i>
1856	<i>Mycoplasma putrefaciens</i>	1914	<i>Nitrosopumilus maritimus</i>
1857	<i>Mycoplasma salivarium</i>	1915	<i>Nitrospira briensis</i>
1858	<i>Mycoplasma</i> sp.	1916	<i>Nitrospira multiformis</i>
1859	<i>Mycoplasma spumans</i>	1917	<i>Nitrospina gracilis</i>
1860	<i>Mycoplasma synoviae</i>	1918	<i>Nitrospina</i> sp.
1861	<i>Myotis brandtii</i>	1919	<i>Nitrospirillum amazonense</i>
1862	<i>Myotis davidii</i>	1920	<i>Niveispirillum irakense</i>
1863	<i>Myotis lucifugus</i>	1921	<i>Nocardia brasiliensis</i>
1864	<i>Myroides injenensis</i>	1922	<i>Nocardia cyriacigeorgica</i>
1865	<i>Myroides odoratimimus</i>	1923	<i>Nocardia farcinica</i>
1866	<i>Myxococcus fulvus</i>	1924	<i>Nocardia otitidiscaviarum</i>
1867	<i>Myxococcus stipitatus</i>	1925	<i>Nocardia rhamnosiphila</i>
1868	<i>Myxococcus xanthus</i>	1926	<i>Nocardia</i> sp.
1869	<i>Naegleria gruberi</i>	1927	<i>Nocardioideaceae</i> bacterium
1870	<i>Nakamurella lactea</i>	1928	<i>Nocardioides alkalitolerans</i>
1871	<i>Nakamurella multipartita</i>	1929	<i>Nocardioides halotolerans</i>
1872	<i>Nannospalax galili</i>	1930	<i>Nocardioides insulae</i>
1873	<i>Nasonia vitripennis</i>	1931	<i>Nocardioides</i> sp.
1874	<i>Natranaerobius thermophilus</i>	1932	<i>Nocardiopsis alba</i>
1875	<i>Natranaerovirga pectinivora</i>	1933	<i>Nocardiopsis baichengensis</i>
1876	<i>Natrialba magadii</i>	1934	<i>Nocardiopsis chromatogenes</i>
1877	<i>Natrinema pellirubrum</i>	1935	<i>Nocardiopsis dassonvillei</i>
1878	<i>Natronobacterium gregoryi</i>	1936	<i>Nocardiopsis ganjiahuensis</i>
1879	<i>Natronococcus occultus</i>	1937	<i>Nocardiopsis gilva</i>
1880	<i>Natronomonas moolapensis</i>	1938	<i>Nocardiopsis halophila</i>
1881	<i>Naumovozyma dairenensis</i>	1939	<i>Nocardiopsis lucentensis</i>
1882	<i>Nautilia profundicola</i>	1940	<i>Nocardiopsis potens</i>
1883	<i>Nectria haematococca</i>	1941	<i>Nocardiopsis prasina</i>
1884	<i>Neisseria bacilliformis</i>	1942	<i>Nocardiopsis salina</i>
1885	<i>Neisseria gonorrhoeae</i>	1943	<i>Nocardiopsis</i> sp.
1886	<i>Neisseria lactamica</i>	1944	<i>Nocardiopsis synnemataformans</i>
1887	<i>Neisseria macacae</i>	1945	<i>Nocardiopsis valliformis</i>
1888	<i>Neisseria meningitidis</i>	1946	<i>Nocardiopsis xinjiangensis</i>
1889	<i>Neisseria polysaccharea</i>	1947	<i>Nodosilinea nodulosa</i>
1890	<i>Neisseria shayeganii</i>	1948	<i>Nomascus leucogenys</i>
1891	<i>Neisseria sicca</i>	1949	<i>Nonomurea coxensis</i>
1892	<i>Neisseria</i> sp.	1950	<i>Nostoc punctiforme</i>
1893	<i>Neisseria wadsworthii</i>	1951	<i>Nostoc</i> sp.
1894	<i>Nematostella vectensis</i>	1952	<i>Novispirillum itersonii</i>
1895	<i>Neolamprologus brichardi</i>	1953	<i>Novosphingobium acidiphilum</i>
1896	<i>Neosartorya fischeri</i>	1954	<i>Novosphingobium aromaticivorans</i>
1897	<i>Neptunomonas japonica</i>	1955	<i>Novosphingobium lindaniclasticum</i>
1898	<i>Nesiotobacter exalbescens</i>	1956	<i>Novosphingobium nitrogenifigens</i>
1899	<i>Nesterenkonia alba</i>	1957	<i>Novosphingobium</i> sp.
1900	<i>Nesterenkonia</i> sp.	1958	<i>Oceanicaulis alexandrii</i>
1901	<i>Nevskia ramosa</i>	1959	<i>Oceanicola batsensis</i>
1902	<i>Nevskia soli</i>	1960	<i>Oceanicola granulosus</i>
1903	<i>Niabella aurantiaca</i>	1961	<i>Oceanicola nanhaiensis</i>
1904	<i>Niastella koreensis</i>	1962	<i>Oceanicola</i> sp.
1905	<i>Nisaea denitrificans</i>	1963	<i>Oceanimonas smirnovii</i>
1906	<i>Nitella hyalina</i>	1964	<i>Oceanimonas</i> sp.
1907	<i>Nitratifactor salsuginis</i>	1965	<i>Oceanithermus profundus</i>
1908	<i>Nitratireductor aquibiodomus</i>	1966	<i>Oceanobacillus iheyensis</i>

1967	<i>Oceanobacillus kimchii</i>	2025	<i>Paenibacillus ehimensis</i>
1968	<i>Oceanobacter kriegii</i>	2026	<i>Paenibacillus elgii</i>
1969	<i>Oceanospirillum beijerinckii</i>	2027	<i>Paenibacillus fonticola</i>
1970	<i>Ochotona princeps</i>	2028	<i>Paenibacillus forsythiae</i>
1971	<i>Ochrobactrum anthropi</i>	2029	<i>Paenibacillus ginsengihumi</i>
1972	<i>Ochrobactrum intermedium</i>	2030	<i>Paenibacillus graminis</i>
1973	<i>Ochrobactrum rhizosphaerae</i>	2031	<i>Paenibacillus harenae</i>
1974	<i>Ochrobactrum</i> sp.	2032	<i>Paenibacillus larvae</i>
1975	<i>Octadecabacter antarcticus</i>	2033	<i>Paenibacillus massiliensis</i>
1976	<i>Octadecabacter arcticus</i>	2034	<i>Paenibacillus mucilaginosus</i>
1977	<i>Octodon degus</i>	2035	<i>Paenibacillus panacisoli</i>
1978	<i>Odobenus rosmarus</i>	2036	<i>Paenibacillus pasadenensis</i>
1979	<i>Odoribacter laneus</i>	2037	<i>Paenibacillus peoriae</i>
1980	<i>Odoribacter</i> sp.	2038	<i>Paenibacillus pinihumi</i>
1981	<i>Oenococcus kitaharae</i>	2039	<i>Paenibacillus polymyxa</i>
1982	<i>Oerskovia turbata</i>	2040	<i>Paenibacillus pueri</i>
1983	<i>Oligella urethralis</i>	2041	<i>Paenibacillus rigui</i>
1984	<i>Oligotropha carboxidovorans</i>	2042	<i>Paenibacillus sanguinis</i>
1985	<i>Olivibacter sitiensis</i>	2043	<i>Paenibacillus senegalensis</i>
1986	<i>Olleya</i> sp.	2044	<i>Paenibacillus</i> sp.
1987	<i>Olsenella</i> sp.	2045	<i>Paenibacillus taiwanensis</i>
1988	<i>Olsenella uli</i>	2046	<i>Paenibacillus terrae</i>
1989	<i>Opisthorchis viverrini</i>	2047	<i>Paenibacillus terrigena</i>
1990	<i>Opitutaceae</i> bacterium	2048	<i>Paenibacillus zanthoxyli</i>
1991	<i>Opitutus terrae</i>	2049	<i>Paenisporosarcina</i> sp.
1992	<i>Orcinus orca</i>	2050	<i>Paludibacter propionigenes</i>
1993	<i>Orenia marismortui</i>	2051	<i>Paludibacterium yongneupense</i>
1994	<i>Oreochromis niloticus</i>	2052	<i>Pan paniscus</i>
1995	<i>Oribacterium</i> sp.	2053	<i>Pan troglodytes</i>
1996	<i>Ornithinibacillus scapharcae</i>	2054	<i>Pandoraea</i> sp.
1997	<i>Ornithinimicrobium pekingense</i>	2055	<i>Pannonibacter phragmitetus</i>
1998	<i>Ornithoctonus huwena</i>	2056	<i>Panthera tigris</i>
1999	<i>Ornithorhynchus anatinus</i>	2057	<i>Pantholops hodgsonii</i>
2000	<i>Orycteropus afer</i>	2058	<i>Pantoea agglomerans</i>
2001	<i>Oryctolagus cuniculus</i>	2059	<i>Pantoea ananatis</i>
2002	<i>Oryza brachyantha</i>	2060	<i>Pantoea dispersa</i>
2003	<i>Oryza sativa</i>	2061	<i>Pantoea</i> sp.
2004	<i>Oryzias latipes</i>	2062	<i>Pantoea vagans</i>
2005	<i>Oryzias latipes</i> ,	2063	<i>Papillibacter cinnamivorans</i>
2006	<i>Oscillatoria nigro-viridis</i>	2064	<i>Papio anubis</i>
2007	<i>Oscillatoria</i> sp.	2065	<i>Paracoccidioides brasiliensis</i>
2008	<i>Oscillatoriales cyanobacterium</i>	2066	<i>Paracoccus aminophilus</i>
2009	<i>Oscillibacter</i> sp.	2067	<i>Paracoccus denitrificans</i>
2010	<i>Oscillibacter valericigenes</i>	2068	<i>Paracoccus pantotrophus</i>
2011	<i>Oscillochloris trichoides</i>	2069	<i>Paracoccus</i> sp.
2012	<i>Oscillospiraceae</i> bacterium	2070	<i>Paracoccus yeei</i>
2013	<i>Ostreococcus lucimarinus</i>	2071	<i>Paracoccus zeaxanthinifaciens</i>
2014	<i>Ostreococcus tauri</i>	2072	<i>Paraeggerthella hongkongensis</i>
2015	<i>Otolemur garnettii</i>	2073	<i>Paramecium tetraurelia</i>
2016	<i>Ottowia thiooxydans</i>	2074	<i>Paraoskovia marina</i>
2017	<i>Ovis aries</i>	2075	<i>Paraprevotella clara</i>
2018	<i>Oxalobacter formigenes</i>	2076	<i>Paraprevotella xylaniphila</i>
2019	<i>Oxalobacteraceae</i> bacterium	2077	<i>Parascardovia denticolens</i>
2020	<i>Paenibacillus alginolyticus</i>	2078	<i>Parcubacteria bacterium</i>
2021	<i>Paenibacillus assamensis</i>	2079	<i>Parvibaculum lavamentivorans</i>
2022	<i>Paenibacillus azotofixans</i>	2080	<i>Parvimonas micra</i>
2023	<i>Paenibacillus barengoltzii</i>	2081	<i>Parvularcula oceani</i>
2024	<i>Paenibacillus daejeonensis</i>	2082	<i>Pasteurella multocida</i>

2083	<i>Patulibacter americanus</i>
2084	<i>Patulibacter medicamentivorans</i>
2085	<i>Patulibacter minatonensis</i>
2086	<i>Paucisalibacillus globulus</i>
2087	<i>Paulinella chromatophora</i>
2088	<i>Pectobacterium atrosepticum</i>
2089	<i>Pectobacterium carotovorum</i>
2090	<i>Pectobacterium</i> sp.
2091	<i>Pectobacterium wasabiae</i>
2092	<i>Pediculus humanus</i>
2093	<i>Pediococcus clausenii</i>
2094	<i>Pediococcus pentosaceus</i>
2095	<i>Pedobacter agri</i>
2096	<i>Pedobacter borealis</i>
2097	<i>Pedobacter glucosidilyticus</i>
2098	<i>Pedobacter heparinus</i>
2099	<i>Pedobacter oryzae</i>
2100	<i>Pedobacter saltans</i>
2101	<i>Pedobacter</i> sp.
2102	<i>Pelagibaca bermudensis</i>
2103	<i>Pelagibacterium halotolerans</i>
2104	<i>Pelistega</i> sp.
2105	<i>Pelobacter carbinolicus</i>
2106	<i>Pelobacter propionicus</i>
2107	<i>Pelobacter seleniigenes</i>
2108	<i>Pelodiscus sinensis</i>
2109	<i>Pelosinus</i> sp.
2110	<i>Pelotomaculum thermopropionicum</i>
2111	<i>Peptoclostridium difficile</i>
2112	<i>Peptococcus niger</i>
2113	<i>Peptostreptococcaceae</i> bacterium
2114	<i>Peptostreptococcus anaerobius</i>
2115	<i>Perkinsus marinus</i>
2116	<i>Perlucidibaca piscinae</i>
2117	<i>Peromyscus maniculatus</i>
2118	<i>Persephonella marina</i>
2119	<i>Persephonella</i> sp.
2120	<i>Pestalotiopsis fici</i>
2121	<i>Phaeobacter arcticus</i>
2122	<i>Phaeobacter caeruleus</i>
2123	<i>Phaeobacter daeponensis</i>
2124	<i>Phaeobacter gallaeciensis</i>
2125	<i>Phaeobacter inhibens</i>
2126	<i>Phaeocystis globosa</i>
2127	<i>Phaeodactylum tricorutum</i>
2128	<i>Phanerochaete carnosa</i>
2129	<i>Phenyllobacterium zucineum</i>
2130	<i>Phoenix dactylifera</i>
2131	<i>Photobacterium halotolerans</i>
2132	<i>Photobacterium profundum</i>
2133	<i>Photorhabdus temperata</i>
2134	<i>Phycococcus jejuensis</i>
2135	<i>Phycisphaera mikurensis</i>
2136	<i>Phyllobacterium</i> sp.
2137	<i>Physcomitrella patens</i>
2138	<i>Physeter catodon</i>
2139	<i>Phytophthora parasitica</i>
2140	<i>Pichia pastoris</i>

2141	<i>Pilimelia anulata</i>
2142	<i>Pirellula staleyii</i>
2143	<i>Piscirickettsia salmonis</i>
2144	<i>Planctomyces brasiliensis</i>
2145	<i>Planktothrix agardhii</i>
2146	<i>Planktothrix prolifica</i>
2147	<i>Planktothrix rubescens</i>
2148	<i>Plasmodium chabaudi</i>
2149	<i>Plasmodium cynomolgi</i>
2150	<i>Plasmodium falciparum</i>
2151	<i>Plasmodium knowlesi</i>
2152	<i>Plasmodium vinckei</i>
2153	<i>Plasmodium yoelii</i>
2154	<i>Plautia stali</i>
2155	<i>Pleomorphomonas koreensis</i>
2156	<i>Pleomorphomonas oryzae</i>
2157	<i>Pleurocapsa</i> sp.
2158	<i>Poecilia formosa</i>
2159	<i>Poecilia reticulata</i>
2160	<i>Poinsettia branch-inducing</i>
2161	<i>Polaribacter irgensii</i>
2162	<i>Polaribacter</i> sp.
2163	<i>Polaromonas glacialis</i>
2164	<i>Polaromonas naphthalenivorans</i>
2165	<i>Polaromonas</i> sp.
2166	<i>Polycyclovorans algicola</i>
2167	<i>Polymorphum gilvum</i>
2168	<i>Polynucleobacter necessarius</i>
2169	<i>Pongo abelii</i>
2170	<i>Pontibacillus halophilus</i>
2171	<i>Pontibacillus marinus</i>
2172	<i>Pontibacter actiniarum</i>
2173	<i>Pontibacter roseus</i>
2174	<i>Ponticaulis koreensis</i>
2175	<i>Populus trichocarpa</i>
2176	<i>Poribacteria bacterium</i>
2177	<i>Porphyrobacter cryptus</i>
2178	<i>Porphyrobacter</i> sp.
2179	<i>Porphyromonas asaccharolytica</i>
2180	<i>Porphyromonas bennonis</i>
2181	<i>Porphyromonas cangingivalis</i>
2182	<i>Porphyromonas catoniae</i>
2183	<i>Porphyromonas gingivalis</i>
2184	<i>Porphyromonas gulae</i>
2185	<i>Porphyromonas levii</i>
2186	<i>Porphyromonas macacae</i>
2187	<i>Porphyromonas somerae</i>
2188	<i>Porphyromonas</i> sp.
2189	<i>Porphyromonas uenonis</i>
2190	<i>Prauserella rugosa</i>
2191	<i>Prevotella albensis</i>
2192	<i>Prevotella amnii</i>
2193	<i>Prevotella aurantiaca</i>
2194	<i>Prevotella baroniae</i>
2195	<i>Prevotella brevis</i>
2196	<i>Prevotella bryantii</i>
2197	<i>Prevotella corporis</i>
2198	<i>Prevotella dentalis</i>

2199	<i>Prevotella dentasini</i>
2200	<i>Prevotella denticola</i>
2201	<i>Prevotella enoeca</i>
2202	<i>Prevotella falsenii</i>
2203	<i>Prevotella fusca</i>
2204	<i>Prevotella histicola</i>
2205	<i>Prevotella intermedia</i>
2206	<i>Prevotella loescheii</i>
2207	<i>Prevotella maculosa</i>
2208	<i>Prevotella melaninogenica</i>
2209	<i>Prevotella multisaccharivorax</i>
2210	<i>Prevotella nanceiensis</i>
2211	<i>Prevotella nigrescens</i>
2212	<i>Prevotella oulorum</i>
2213	<i>Prevotella pallens</i>
2214	<i>Prevotella paludivivens</i>
2215	<i>Prevotella pleuritis</i>
2216	<i>Prevotella saccharolytica</i>
2217	<i>Prevotella salivae</i>
2218	<i>Prevotella scopos</i>
2219	<i>Prevotella shahii</i>
2220	<i>Prevotella</i> sp.
2221	<i>Prevotella stercorea</i>
2222	<i>Prevotella tannerae</i>
2223	<i>Prevotella timonensis</i>
2224	<i>Prevotella veroralis</i>
2225	<i>Procavia capensis</i>
2226	<i>Prochlorococcus marinus</i>
2227	<i>Prochlorococcus</i> sp.
2228	<i>Prochlorothrix hollandica</i>
2229	<i>Prolixibacter bellariivorans</i>
2230	<i>Promicromonospora sukumoe</i>
2231	<i>Propionibacteriaceae</i> bacterium
2232	<i>Propionibacterium acidifaciens</i>
2233	<i>Propionibacterium acidipropionici</i>
2234	<i>Propionibacterium acnes</i>
2235	<i>Propionibacterium avidum</i>
2236	<i>Propionibacterium jensenii</i>
2237	<i>Propionibacterium propionicum</i>
2238	<i>Propionibacterium</i> sp.
2239	<i>Propionicicella superfundia</i>
2240	<i>Propionimicrobium lymphophilum</i>
2241	<i>Prosthecochloris aestuarii</i>
2242	<i>Proteiniclasticum ruminis</i>
2243	<i>Proteiniphilum acetatigenes</i>
2244	<i>Proteobacteria</i> bacterium
2245	<i>Proteocatella sphenisci</i>
2246	<i>Proteus mirabilis</i>
2247	<i>Proteus penneri</i>
2248	<i>Providencia rettgeri</i>
2249	<i>Providencia rustigianii</i>
2250	<i>Providencia sneebia</i>
2251	<i>Prunus mume</i>
2252	<i>Pseudaminobacter salicylatoxidans</i>
2253	<i>Pseudanabaena</i> sp.
2254	<i>Pseudoalteromonas atlantica</i>
2255	<i>Pseudoalteromonas haloplanktis</i>
2256	<i>Pseudoalteromonas</i> sp.

2257	<i>Pseudobutyrvibrio ruminis</i>
2258	<i>Pseudobutyrvibrio</i> sp.
2259	<i>Pseudocercospora fijiensis</i>
2260	<i>Pseudochrobactrum</i> sp.
2261	<i>Pseudoclavibacter soli</i>
2262	<i>Pseudoduganella violaceinigra</i>
2263	<i>Pseudogulbenkiania ferrooxidans</i>
2264	<i>Pseudogulbenkiania</i> sp.
2265	<i>Pseudomonas aeruginosa</i>
2266	<i>Pseudomonas agarici</i>
2267	<i>Pseudomonas alcaligenes</i>
2268	<i>Pseudomonas azotifigens</i>
2269	<i>Pseudomonas caeni</i>
2270	<i>Pseudomonas chloritidismutans</i>
2271	<i>Pseudomonas chlororaphis</i>
2272	<i>Pseudomonas corrugata</i>
2273	<i>Pseudomonas cremoricolorata</i>
2274	<i>Pseudomonas denitrificans</i>
2275	<i>Pseudomonas entomophila</i>
2276	<i>Pseudomonas fluorescens</i>
2277	<i>Pseudomonas fragi</i>
2278	<i>Pseudomonas fulva</i>
2279	<i>Pseudomonas fuscovaginae</i>
2280	<i>Pseudomonas luteola</i>
2281	<i>Pseudomonas mandelii</i>
2282	<i>Pseudomonas mendocina</i>
2283	<i>Pseudomonas monteilii</i>
2284	<i>Pseudomonas mosselii</i>
2285	<i>Pseudomonas nitroreducens</i>
2286	<i>Pseudomonas oleovorans</i>
2287	<i>Pseudomonas parafulva</i>
2288	<i>Pseudomonas plecoglossicida</i>
2289	<i>Pseudomonas poae</i>
2290	<i>Pseudomonas psychrophila</i>
2291	<i>Pseudomonas putida</i>
2292	<i>Pseudomonas resinovorans</i>
2293	<i>Pseudomonas savastanoi</i>
2294	<i>Pseudomonas</i> sp.
2295	<i>Pseudomonas stutzeri</i>
2296	<i>Pseudomonas syringae</i>
2297	<i>Pseudomonas taeanensis</i>
2298	<i>Pseudomonas taiwanensis</i>
2299	<i>Pseudomonas thermotolerans</i>
2300	<i>Pseudomonas umsongensis</i>
2301	<i>Pseudomonas veronii</i>
2302	<i>Pseudomonas viridiflava</i>
2303	<i>Pseudomonas vranovensis</i>
2304	<i>Pseudonocardia acaciae</i>
2305	<i>Pseudonocardia asaccharolytica</i>
2306	<i>Pseudonocardia dioxanivorans</i>
2307	<i>Pseudonocardia</i> sp.
2308	<i>Pseudonocardia spinosipora</i>
2309	<i>Pseudopodoces humilis</i>
2310	<i>Pseudoramibacter alactolyticus</i>
2311	<i>Pseudorhodobacter ferrugineus</i>
2312	<i>Pseudovibrio</i> sp.
2313	<i>Pseudoxanthomonas</i> sp.
2314	<i>Pseudoxanthomonas spadix</i>

2315	<i>Pseudoxanthomonas suwonensis</i>	2373	<i>Rhodococcus opacus</i>
2316	<i>Pseudozyma flocculosa</i>	2374	<i>Rhodococcus phage</i>
2317	<i>Psychrilyobacter atlanticus</i>	2375	<i>Rhodococcus pyridinivorans</i>
2318	<i>Psychrobacillus psychrodurans</i>	2376	<i>Rhodococcus rhodochrous</i>
2319	<i>Psychrobacter arcticus</i>	2377	<i>Rhodococcus ruber</i>
2320	<i>Psychrobacter lutiphocae</i>	2378	<i>Rhodococcus</i> sp.
2321	<i>Psychrobacter</i> sp.	2379	<i>Rhodoferax ferrireducens</i>
2322	<i>Psychroflexus torquis</i>	2380	<i>Rhodoferax saidenbachensis</i>
2323	<i>Psychroflexus tropicus</i>	2381	<i>Rhodomicrobium vannielii</i>
2324	<i>Psychromonas aquimarina</i>	2382	<i>Rhodonellum psychrophilum</i>
2325	<i>Psychromonas arctica</i>	2383	<i>Rhodopirellula baltica</i>
2326	<i>Psychromonas hadalis</i>	2384	<i>Rhodopseudomonas palustris</i>
2327	<i>Psychromonas ingrahamii</i>	2385	<i>Rhodopseudomonas</i> sp.
2328	<i>Psychromonas ossibalaenae</i>	2386	<i>Rhodospirillales bacterium</i>
2329	<i>Pteropus alecto</i>	2387	<i>Rhodospirillum centenum</i>
2330	<i>Puccinia graminis</i>	2388	<i>Rhodospirillum photometricum</i>
2331	<i>Pundamilia nyererei</i>	2389	<i>Rhodospirillum rubrum</i>
2332	<i>Pusillimonas noertemannii</i>	2390	<i>Rhodothermus marinus</i>
2333	<i>Pyrenophora tritici-repentis</i>	2391	<i>Rhodovibrio salinarum</i>
2334	<i>Pyrobaculum neutrophilum</i>	2392	<i>Ricinus communis</i>
2335	<i>Pyrobaculum oguniense</i>	2393	<i>Rickettsia bellii</i>
2336	<i>Pyrococcus</i> sp.	2394	<i>Rickettsia felis</i>
2337	<i>Pyrococcus yayanosii</i>	2395	<i>Rickettsia montanensis</i>
2338	<i>Python bivittatus</i>	2396	<i>Rickettsia prowazekii</i>
2339	<i>Rahnella aquatilis</i>	2397	<i>Rickettsia sibirica</i>
2340	<i>Rahnella</i> sp.	2398	<i>Rickettsia slovacica</i>
2341	<i>Ralstonia eutropha</i>	2399	<i>Riemerella anatipestifer</i>
2342	<i>Ralstonia pickettii</i>	2400	<i>Riemerella columbina</i>
2343	<i>Ralstonia solanacearum</i>	2401	<i>Rikenella microfusus</i>
2344	<i>Ralstonia</i> sp.	2402	<i>Rivularia</i> sp.
2345	<i>Ramlibacter tataouinensis</i>	2403	<i>Robiginitalea biformata</i>
2346	<i>Rathayibacter toxicus</i>	2404	<i>Robinsoniella</i> sp.
2347	<i>Rattus norvegicus</i>	2405	<i>Romboutsia lituseburensis</i>
2348	<i>Reinekea</i> sp.	2406	<i>Roseburia faecis</i>
2349	<i>Rhizobiales bacterium</i>	2407	<i>Roseburia hominis</i>
2350	<i>Rhizobium etli</i>	2408	<i>Roseburia</i> sp.
2351	<i>Rhizobium giardinii</i>	2409	<i>Roseiflexus castenholzii</i>
2352	<i>Rhizobium larrymoorei</i>	2410	<i>Roseiflexus</i> sp.
2353	<i>Rhizobium leguminosarum</i>	2411	<i>Roseobacter denitrificans</i>
2354	<i>Rhizobium leucaenae</i>	2412	<i>Roseobacter</i> sp.
2355	<i>Rhizobium mesoamericanum</i>	2413	<i>Roseomonas cervicalis</i>
2356	<i>Rhizobium mongolense</i>	2414	<i>Roseomonas gilardii</i>
2357	<i>Rhizobium phaseoli</i>	2415	<i>Roseomonas</i> sp.
2358	<i>Rhizobium selenitireducens</i>	2416	<i>Roseovarius nubinhbens</i>
2359	<i>Rhizobium</i> sp.	2417	<i>Roseovarius</i> sp.
2360	<i>Rhizobium sullae</i>	2418	<i>Rothia mucilaginosa</i>
2361	<i>Rhizobium tropici</i>	2419	<i>Ruania albidiflava</i>
2362	<i>Rhizobium undicola</i>	2420	<i>Rubellimicrobium thermophilum</i>
2363	<i>Rhodanobacter</i> sp.	2421	<i>Rubritalea marina</i>
2364	<i>Rhodobacter capsulatus</i>	2422	<i>Rubritepida flocculans</i>
2365	<i>Rhodobacter</i> sp.	2423	<i>Rubrivivax benzoatilyticus</i>
2366	<i>Rhodobacter sphaeroides</i>	2424	<i>Rubrivivax gelatinosus</i>
2367	<i>Rhodobacteraceae bacterium</i>	2425	<i>Rubrobacter xylanophilus</i>
2368	<i>Rhodobacterales bacterium</i>	2426	<i>Rudaea cellulositytica</i>
2369	<i>Rhodococcus defluvi</i>	2427	<i>Ruegeria conchae</i>
2370	<i>Rhodococcus equi</i>	2428	<i>Ruegeria pomeroyi</i>
2371	<i>Rhodococcus erythropolis</i>	2429	<i>Ruegeria</i> sp.
2372	<i>Rhodococcus jostii</i>	2430	<i>Ruminobacter</i> sp.

2431	Ruminococcaceae bacterium
2432	Ruminococcus callidus
2433	Ruminococcus champanellensis
2434	Ruminococcus flavefaciens
2435	Ruminococcus gauvreauii
2436	Ruminococcus sp.
2437	Runella limosa
2438	Runella slithyformis
2439	Runella zeae
2440	Saccharibacillus kuerlensis
2441	Saccharomonospora azurea
2442	Saccharomonospora cyanea
2443	Saccharomonospora glauca
2444	Saccharomonospora marina
2445	Saccharomonospora paurometabolica
2446	Saccharomonospora saliphila
2447	Saccharomonospora sp.
2448	Saccharomonospora viridis
2449	Saccharomonospora xinjiangensis
2450	Saccharomyces cerevisiae
2451	Saccharophagus degradans
2452	Saccharopolyspora erythraea
2453	Saccharopolyspora rectivirgula
2454	Saccharopolyspora spinosa
2455	Saccharothrix espanaensis
2456	Saccoglossus kowalevskii
2457	Saimiri boliviensis
2458	Salinarchaeum sp.
2459	Salinarimonas rosea
2460	Salinibacter ruber
2461	Salinicoccus albus
2462	Salinicoccus carnicancri
2463	Salinicoccus luteus
2464	Salinimicrobium terrae
2465	Salinimicrobium xinjiangense
2466	Salinimonas chungwhensis
2467	Salinispota arenicola
2468	Salinispota pacifica
2469	Salinispota tropica
2470	Salinivibrio costicola
2471	Salinivibrio socompensis
2472	Salipiger mucosus
2473	Salisaeta longa
2474	Salmonella bongori
2475	Salmonella enterica
2476	Salpingoeca sp.
2477	Salsuginibacillus kocurii
2478	Sandarakinorhabdus limnophila
2479	Sandarakinorhabdus sp.
2480	Sanguibacter keddieii
2481	Saprolegnia diclina
2482	Saprospira grandis
2483	SAR324 cluster
2484	Sarcophilus harrisii
2485	Saxeibacter lacteus
2486	Scardovia wiggsiae
2487	Schizophyllum commune
2488	Schlesneria paludicola

2489	Sciscionella marina
2490	Sciscionella sp.
2491	Scytonema hofmanni
2492	Sebaldella termitidis
2493	Secondary endosymbiont
2494	Sedimenticola selenatireducens
2495	Sediminibacillus halophilus
2496	Sediminibacterium salmoneum
2497	Sediminibacterium sp.
2498	Segetibacter koreensis
2499	Segniliparus rotundus
2500	Segniliparus rugosus
2501	Selaginella moellendorffii
2502	Selenomonas artemidis
2503	Selenomonas bovis
2504	Selenomonas flueggei
2505	Selenomonas infelix
2506	Selenomonas noxia
2507	Selenomonas ruminantium
2508	Selenomonas sp.
2509	Selenomonas sputigena
2510	Senegalimassilia anaerobia
2511	Serinicoccus marinus
2512	Serinicoccus profundus
2513	Serinus canaria
2514	Serpula lacrymans
2515	Serratia fonticola
2516	Serratia liquefaciens
2517	Serratia marcescens
2518	Serratia odorifera
2519	Serratia plymuthica
2520	Serratia sp.
2521	Serratia symbiotica
2522	Setaria italica
2523	Setosphaeria turcica
2524	Shewanella amazonensis
2525	Shewanella baltica
2526	Shewanella colwelliana
2527	Shewanella fidelis
2528	Shewanella loihica
2529	Shewanella marina
2530	Shewanella oneidensis
2531	Shewanella putrefaciens
2532	Shewanella sediminis
2533	Shewanella sp.
2534	Shewanella violacea
2535	Shimazuella kribbensis
2536	Shinella sp.
2537	Shuttleworthia satelles
2538	Sideroxydans lithotrophicus
2539	Silanimonas lenta
2540	Silicibacter lacuscaerulensis
2541	Silicibacter sp.
2542	Simiduaia agarivorans
2543	Simkania negevensis
2544	Simonsiella muelleri
2545	Simplicispira psychrophila
2546	Singularimonas variicoloris

2547	<i>Singulisphaera acidiphila</i>
2548	<i>Sinobacter flavus</i>
2549	<i>Sinorhizobium arboris</i>
2550	<i>Sinorhizobium fredii</i>
2551	<i>Sinorhizobium meliloti</i>
2552	<i>Smaragdicoccus niigatensis</i>
2553	<i>Sneathiella glossodoripedis</i>
2554	<i>Sodalis glossinidius</i>
2555	<i>Soehngenia saccharolytica</i>
2556	<i>Solanum lycopersicum</i>
2557	<i>Solanum tuberosum</i>
2558	<i>Solibacillus silvestris</i>
2559	<i>Solimonas flava</i>
2560	<i>Solimonas soli</i>
2561	<i>Solirubrobacter soli</i>
2562	<i>Solirubrobacter</i> sp.
2563	<i>Solirubrobacterales</i> bacterium
2564	<i>Solitalea canadensis</i>
2565	<i>Solobacterium moorei</i>
2566	<i>Sorangium cellulosum</i>
2567	<i>Sorex araneus</i>
2568	<i>Sorghum bicolor</i>
2569	<i>Spermophilus tridecemlineatus</i>
2570	<i>Sphaerobacter thermophilus</i>
2571	<i>Sphaerochaeta pleomorpha</i>
2572	<i>Sphingobacterium</i> sp.
2573	<i>Sphingobacterium spiritivorum</i>
2574	<i>Sphingobium baderi</i>
2575	<i>Sphingobium chlorophenicum</i>
2576	<i>Sphingobium japonicum</i>
2577	<i>Sphingobium quisquiliarum</i>
2578	<i>Sphingobium</i> sp.
2579	<i>Sphingobium ummariense</i>
2580	<i>Sphingobium xenophagum</i>
2581	<i>Sphingomonas astaxanthinifaciens</i>
2582	<i>Sphingomonas echinoides</i>
2583	<i>Sphingomonas elodea</i>
2584	<i>Sphingomonas melonis</i>
2585	<i>Sphingomonas phyllosphaerae</i>
2586	<i>Sphingomonas</i> sp.
2587	<i>Sphingomonas wittichii</i>
2588	<i>Sphingomonas</i> -like bacterium
2589	<i>Sphingopyxis alaskensis</i>
2590	<i>Spiribacter salinus</i>
2591	<i>Spiribacter</i> sp.
2592	<i>Spirillospora albida</i>
2593	<i>Spirochaeta africana</i>
2594	<i>Spirochaeta alkalica</i>
2595	<i>Spirochaeta bajacaliforniensis</i>
2596	<i>Spirochaeta caldaria</i>
2597	<i>Spirochaeta cellobiosiphila</i>
2598	<i>Spirochaeta coccoides</i>
2599	<i>Spirochaeta smaragdinae</i>
2600	<i>Spirochaeta</i> sp.
2601	<i>Spirochaeta thermophila</i>
2602	<i>Spiroplasma apis</i>
2603	<i>Spiroplasma chrysopicola</i>
2604	<i>Spiroplasma diminutum</i>

2605	<i>Spiroplasma syrphidicola</i>
2606	<i>Spirosoma luteum</i>
2607	<i>Spirosoma panaciterrae</i>
2608	<i>Spirosoma spitsbergense</i>
2609	<i>Spongiibacterium flavum</i>
2610	<i>Sporichthya polymorpha</i>
2611	<i>Sporobacter termitidis</i>
2612	<i>Sporocytophaga myxococcoides</i>
2613	<i>Sporolactobacillus inulinus</i>
2614	<i>Sporolactobacillus laevolacticus</i>
2615	<i>Sporolactobacillus terrae</i>
2616	<i>Sporolactobacillus vineae</i>
2617	<i>Sporomusa malonica</i>
2618	<i>Sporomusa ovata</i>
2619	<i>Sporosarcina newyorkensis</i>
2620	<i>Sporosarcina</i> sp.
2621	<i>Sporosarcina ureae</i>
2622	<i>Stackebrandtia nassauensis</i>
2623	<i>Stanieria cyanosphaera</i>
2624	<i>Staphylococcus aureus</i>
2625	<i>Staphylococcus capitis</i>
2626	<i>Staphylococcus caprae</i>
2627	<i>Staphylococcus carnosus</i>
2628	<i>Staphylococcus epidermidis</i>
2629	<i>Staphylococcus haemolyticus</i>
2630	<i>Staphylococcus hominis</i>
2631	<i>Staphylococcus intermedius</i>
2632	<i>Staphylococcus lentus</i>
2633	<i>Staphylococcus massiliensis</i>
2634	<i>Staphylococcus pasteurii</i>
2635	<i>Staphylococcus phage</i>
2636	<i>Staphylococcus pseudintermedius</i>
2637	<i>Staphylococcus saprophyticus</i>
2638	<i>Staphylococcus sciuri</i>
2639	<i>Staphylococcus simulans</i>
2640	<i>Staphylococcus</i> sp.
2641	<i>Staphylococcus vitulinus</i>
2642	<i>Staphylococcus warneri</i>
2643	<i>Staphylococcus xylosus</i>
2644	<i>Stappia stellulata</i>
2645	<i>Starkeya novella</i>
2646	<i>Stegastes partitus</i>
2647	<i>Stenotrophomonas maltophilia</i>
2648	<i>Stereum hirsutum</i>
2649	<i>Stigmatella aurantiaca</i>
2650	strain 284/09
2651	<i>Streptacidiphilus jeojiense</i>
2652	<i>Streptobacillus moniliformis</i>
2653	<i>Streptococcus agalactiae</i>
2654	<i>Streptococcus anginosus</i>
2655	<i>Streptococcus australis</i>
2656	<i>Streptococcus caballi</i>
2657	<i>Streptococcus castoreus</i>
2658	<i>Streptococcus constellatus</i>
2659	<i>Streptococcus cristatus</i>
2660	<i>Streptococcus devriesei</i>
2661	<i>Streptococcus didelphis</i>
2662	<i>Streptococcus equi</i>

2663	<i>Streptococcus equinus</i>
2664	<i>Streptococcus ferus</i>
2665	<i>Streptococcus gallolyticus</i>
2666	<i>Streptococcus gordonii</i>
2667	<i>Streptococcus henryi</i>
2668	<i>Streptococcus hyovaginalis</i>
2669	<i>Streptococcus infantarius</i>
2670	<i>Streptococcus infantis</i>
2671	<i>Streptococcus intermedius</i>
2672	<i>Streptococcus lutetiensis</i>
2673	<i>Streptococcus macedonicus</i>
2674	<i>Streptococcus marimammalium</i>
2675	<i>Streptococcus massiliensis</i>
2676	<i>Streptococcus merionis</i>
2677	<i>Streptococcus mitis</i>
2678	<i>Streptococcus mutans</i>
2679	<i>Streptococcus oligofermentans</i>
2680	<i>Streptococcus oralis</i>
2681	<i>Streptococcus orisratti</i>
2682	<i>Streptococcus ovis</i>
2683	<i>Streptococcus parauberis</i>
2684	<i>Streptococcus pasteurianus</i>
2685	<i>Streptococcus peroris</i>
2686	<i>Streptococcus pleomorphus</i>
2687	<i>Streptococcus plurextorum</i>
2688	<i>Streptococcus pneumoniae</i>
2689	<i>Streptococcus porci</i>
2690	<i>Streptococcus pseudopneumoniae</i>
2691	<i>Streptococcus pyogenes</i>
2692	<i>Streptococcus sanguinis</i>
2693	<i>Streptococcus sobrinus</i>
2694	<i>Streptococcus sp.</i>
2695	<i>Streptococcus suis</i>
2696	<i>Streptococcus thermophilus</i>
2697	<i>Streptococcus thoralensis</i>
2698	<i>Streptococcus tigurinus</i>
2699	<i>Streptococcus uberis</i>
2700	<i>Streptococcus urinalis</i>
2701	<i>Streptomyces achromogenes</i>
2702	<i>Streptomyces acidiscabies</i>
2703	<i>Streptomyces afghaniensis</i>
2704	<i>Streptomyces albus</i>
2705	<i>Streptomyces auratus</i>
2706	<i>Streptomyces aureocirculatus</i>
2707	<i>Streptomyces avellaneus</i>
2708	<i>Streptomyces avermitilis</i>
2709	<i>Streptomyces bicolor</i>
2710	<i>Streptomyces bingchengensis</i>
2711	<i>Streptomyces canus</i>
2712	<i>Streptomyces catenulae</i>
2713	<i>Streptomyces cattleya</i>
2714	<i>Streptomyces cellulosa</i>
2715	<i>Streptomyces clavuligerus</i>
2716	<i>Streptomyces collinus</i>
2717	<i>Streptomyces davawensis</i>
2718	<i>Streptomyces durhamensis</i>
2719	<i>Streptomyces exfoliatus</i>
2720	<i>Streptomyces flavidovirens</i>

2721	<i>Streptomyces flavochromogenes</i>
2722	<i>Streptomyces flavotricini</i>
2723	<i>Streptomyces flavovariabilis</i>
2724	<i>Streptomyces fulvissimus</i>
2725	<i>Streptomyces fulvoviolaceus</i>
2726	<i>Streptomyces globisporus</i>
2727	<i>Streptomyces griseoflavus</i>
2728	<i>Streptomyces griseoluteus</i>
2729	<i>Streptomyces griseus</i>
2730	<i>Streptomyces halstedii</i>
2731	<i>Streptomyces hygrosopicus</i>
2732	<i>Streptomyces katrae</i>
2733	<i>Streptomyces lavendulae</i>
2734	<i>Streptomyces lavenduligriseus</i>
2735	<i>Streptomyces leeuwenhoekii</i>
2736	<i>Streptomyces mediolani</i>
2737	<i>Streptomyces megasporus</i>
2738	<i>Streptomyces monomycini</i>
2739	<i>Streptomyces natalensis</i>
2740	<i>Streptomyces niveus</i>
2741	<i>Streptomyces ochraceiscleroticus</i>
2742	<i>Streptomyces olivaceus</i>
2743	<i>Streptomyces peruviansis</i>
2744	<i>Streptomyces peucetius</i>
2745	<i>Streptomyces pristinaespiralis</i>
2746	<i>Streptomyces prunicolor</i>
2747	<i>Streptomyces purpeofuscus</i>
2748	<i>Streptomyces purpureus</i>
2749	<i>Streptomyces rapamycinicus</i>
2750	<i>Streptomyces resistomycificus</i>
2751	<i>Streptomyces rimosus</i>
2752	<i>Streptomyces roseochromogenus</i>
2753	<i>Streptomyces roseosporus</i>
2754	<i>Streptomyces roseovercillatus</i>
2755	<i>Streptomyces ruber</i>
2756	<i>Streptomyces scabiei</i>
2757	<i>Streptomyces scabrisporus</i>
2758	<i>Streptomyces sclerotialis</i>
2759	<i>Streptomyces scopuliridis</i>
2760	<i>Streptomyces seoulensis</i>
2761	<i>Streptomyces sp.</i>
2762	<i>Streptomyces sulphureus</i>
2763	<i>Streptomyces svicens</i>
2764	<i>Streptomyces thermolilacinus</i>
2765	<i>Streptomyces varsoviensis</i>
2766	<i>Streptomyces venezuelae</i>
2767	<i>Streptomyces violaceoruber</i>
2768	<i>Streptomyces violaceusniger</i>
2769	<i>Streptomyces violens</i>
2770	<i>Streptomyces virginiae</i>
2771	<i>Streptomyces viridochromogenes</i>
2772	<i>Streptomyces vitaminophilus</i>
2773	<i>Streptomyces xanthophaeus</i>
2774	<i>Streptomycesetaceae bacterium</i>
2775	<i>Streptosporangium amethystogenes</i>
2776	<i>Streptosporangium roseum</i>
2777	<i>Strongylocentrotus purpuratus</i>
2778	<i>Subdoligranulum sp.</i>

2779	<i>Succinatimonas hippei</i>
2780	<i>Succinatimonas</i> sp.
2781	<i>Succinimonas amylolytica</i>
2782	<i>Succinispira mobilis</i>
2783	<i>Succinivibrio dextrinosolvens</i>
2784	<i>Succinivibrionaceae</i> bacterium
2785	<i>Sulfitobacter guttiformis</i>
2786	<i>Sulfitobacter</i> sp.
2787	<i>Sulfobacillus acidophilus</i>
2788	<i>Sulfobacillus thermosulfidooxidans</i>
2789	<i>Sulfobolus acidocaldarius</i>
2790	<i>Sulfuricella denitrificans</i>
2791	<i>Sulfurihydrogenibium azorensis</i>
2792	<i>Sulfurimonas autotrophica</i>
2793	<i>Sulfurospirillum arcachonense</i>
2794	<i>Sus scrofa</i>
2795	<i>Sutterella parvirubra</i>
2796	<i>Sutterella</i> sp.
2797	<i>Sutterella wadsworthensis</i>
2798	<i>Symbiobacterium thermophilum</i>
2799	<i>Syncytium symbiont</i>
2800	<i>Synechococcus elongatus</i>
2801	<i>Synechococcus</i> sp.
2802	<i>Synechocystis</i> sp.
2803	<i>Synergistes</i> sp.
2804	<i>Synergistetes</i> bacterium
2805	<i>Syntrophobacter fumaroxidans</i>
2806	<i>Syntrophobotulus glycolicus</i>
2807	<i>Syntrophococcus sucromutans</i>
2808	<i>Syntrophomonas erecta</i>
2809	<i>Syntrophomonas wolfei</i>
2810	<i>Syntrophorhabdus aromaticivorans</i>
2811	<i>Syntrophothermus lipocalidus</i>
2812	<i>Syntrophus aciditrophicus</i>
2813	<i>Taeniopygia guttata</i>
2814	<i>Takifugu rubripes</i>
2815	<i>Tannerella forsythia</i>
2816	<i>Tannerella</i> sp.
2817	<i>Tarsius syrichta</i>
2818	<i>Tatumella ptyseos</i>
2819	<i>Tatumella</i> sp.
2820	<i>Taylorella equigenitalis</i>
2821	<i>Tenacibaculum ovolyticum</i>
2822	<i>Tenacibaculum</i> sp.
2823	<i>Tepidanaerobacter acetatoxydans</i>
2824	<i>Tepidiphilus margaritifer</i>
2825	<i>Terasakiella pusilla</i>
2826	<i>Teredinibacter turnerae</i>
2827	<i>Terracoccus</i> sp.
2828	<i>Terriglobus roseus</i>
2829	<i>Terriglobus saanensis</i>
2830	<i>Terrimonas ferruginea</i>
2831	<i>Terrisporobacter glycolicus</i>
2832	<i>Tetragenococcus halophilus</i>
2833	<i>Tetragenococcus muriaticus</i>
2834	<i>Tetrahymena thermophila</i>
2835	<i>Tetrapisispora phaffii</i>
2836	<i>Thalassobacillus devorans</i>

2837	<i>Thalassobacter arenae</i>
2838	<i>Thalassobaculum salexigens</i>
2839	<i>Thalassolituus oleivorans</i>
2840	<i>Thalassospira lucentensis</i>
2841	<i>Thauera linaloolentis</i>
2842	<i>Thauera</i> sp.
2843	<i>Thauera terpenica</i>
2844	<i>Theobroma cacao</i>
2845	<i>Thermacetogenium phaeum</i>
2846	<i>Thermaerobacter marianensis</i>
2847	<i>Thermaerobacter subterraneus</i>
2848	<i>Thermanaerovibrio acidaminovorans</i>
2849	<i>Thermanaerovibrio velox</i>
2850	<i>Thermicanus aegyptius</i>
2851	<i>Thermincola potens</i>
2852	<i>Thermithiobacillus tepidarius</i>
2853	<i>Thermoanaerobacter brockii</i>
2854	<i>Thermoanaerobacter italicus</i>
2855	<i>Thermoanaerobacter mathranii</i>
2856	<i>Thermoanaerobacter</i> sp.
2857	<i>Thermoanaerobacter thermocopriae</i>
2858	<i>Thermoanaerobacterium saccharolyticum</i>
2859	<i>Thermoanaerobacterium thermosaccharolyticum</i>
2860	<i>Thermoanaerobacterium xylanolyticum</i>
2861	<i>Thermobacillus composti</i>
2862	<i>Thermobaculum terrenum</i>
2863	<i>Thermobispora bispora</i>
2864	<i>Thermobrachium celere</i>
2865	<i>Thermococcus gammatolerans</i>
2866	<i>Thermococcus kodakarensis</i>
2867	<i>Thermococcus sibiricus</i>
2868	<i>Thermococcus</i> sp.
2869	<i>Thermocrispum agreste</i>
2870	<i>Thermocrispum municipale</i>
2871	<i>Thermodesulfatator atlanticus</i>
2872	<i>Thermodesulfobacterium hveragerdense</i>
2873	<i>Thermodesulfobacterium thiophilus</i>
2874	<i>Thermodesulfobacterium yellowstonii</i>
2875	<i>Thermoflavimicrobium dichotomicum</i>
2876	<i>Thermomicrobium roseum</i>
2877	<i>Thermomonospora curvata</i>
2878	<i>Thermophagus xiamenensis</i>
2879	<i>Thermoplasmatales</i> archaeon
2880	<i>Thermosediminibacter oceani</i>
2881	<i>Thermosipho africanus</i>
2882	<i>Thermosipho melanesiensis</i>
2883	<i>Thermosynechococcus elongatus</i>
2884	<i>Thermosynechococcus</i> sp.
2885	<i>Thermotoga hypogea</i>
2886	<i>Thermotoga lettingae</i>
2887	<i>Thermotoga maritima</i>
2888	<i>Thermotoga neapolitana</i>
2889	<i>Thermus igniterrae</i>
2890	<i>Thermus oshimai</i>
2891	<i>Thermus scotoductus</i>
2892	<i>Thermus</i> sp.
2893	<i>Thermus thermophilus</i>

2894	<i>Thielavia terrestris</i>	2952	uncultured archaeon
2895	<i>Thioalkalivibrio nitratireducens</i>	2953	Uncultured bacterium
2896	<i>Thioalkalivibrio</i> sp.	2954	<i>Ureibacillus thermosphaericus</i>
2897	<i>Thioalkalivibrio sulfidophilus</i>	2955	<i>Ursus maritimus</i>
2898	<i>Thioalkalivibrio thiocyanoxidans</i>	2956	<i>Vanderwaltozyma polyspora</i>
2899	<i>Thiobacillus denitrificans</i>	2957	<i>Varibaculum cambriense</i>
2900	<i>Thiobacillus thioparus</i>	2958	<i>Variovorax paradoxus</i>
2901	<i>Thiocystis violascens</i>	2959	<i>Variovorax</i> sp.
2902	<i>Thioflavicoccus mobilis</i>	2960	<i>Verminephrobacter aporrectodeae</i>
2903	<i>Thiomicrospira arctica</i>	2961	<i>Verminephrobacter eiseniae</i>
2904	<i>Thiomicrospira chilensis</i>	2962	<i>Verrucomicrobia bacterium</i>
2905	<i>Thiomicrospira pelophila</i>	2963	<i>Verrucomicrobiae bacterium</i>
2906	<i>Thiomicrospira</i> sp.	2964	<i>Verrucomicrobium spinosum</i>
2907	<i>Thiomonas intermedia</i>	2965	<i>Verrucosispora maris</i>
2908	<i>Thiomonas</i> sp.	2966	<i>Verticillium albo-atrum</i>
2909	<i>Thiorhodovibrio</i> sp.	2967	<i>Vibrio alginolyticus</i>
2910	<i>Thiothrix disciformis</i>	2968	<i>Vibrio angustum</i>
2911	<i>Thiothrix lacustris</i>	2969	<i>Vibrio breoganii</i>
2912	<i>Tistrella mobilis</i>	2970	<i>Vibrio campbellii</i>
2913	<i>Togninia minima</i>	2971	<i>Vibrio cholerae</i>
2914	<i>Tolumonas auensis</i>	2972	<i>Vibrio coralliilyticus</i>
2915	<i>Tolumonas</i> sp.	2973	<i>Vibrio crassostreae</i>
2916	<i>Tomitella biformata</i>	2974	<i>Vibrio fischeri</i>
2917	<i>Trametes versicolor</i>	2975	<i>Vibrio furnissii</i>
2918	Trebouxiophyceae sp.	2976	<i>Vibrio gazogenes</i>
2919	<i>Tremella mesenterica</i>	2977	<i>Vibrio genomosp.</i>
2920	<i>Treponema azotonutricium</i>	2978	<i>Vibrio harveyi</i>
2921	<i>Treponema brennaborensense</i>	2979	<i>Vibrio kanaloae</i>
2922	<i>Treponema bryantii</i>	2980	<i>Vibrio nigripulchritudo</i>
2923	<i>Treponema denticola</i>	2981	<i>Vibrio ordalii</i>
2924	<i>Treponema lecithinolyticum</i>	2982	<i>Vibrio parahaemolyticus</i>
2925	<i>Treponema maltophilum</i>	2983	<i>Vibrio splendidus</i>
2926	<i>Treponema medium</i>	2984	<i>Vibrio tasmaniensis</i>
2927	<i>Treponema pallidum</i>	2985	<i>Vibrio vulnificus</i>
2928	<i>Treponema pedis</i>	2986	<i>Vicugna pacos</i>
2929	<i>Treponema phagedenis</i>	2987	<i>Virgibacillus alimentarius</i>
2930	<i>Treponema primitia</i>	2988	<i>Virgibacillus halodenitrificans</i>
2931	<i>Treponema socranskii</i>	2989	<i>Virgibacillus</i> sp.
2932	<i>Treponema</i> sp.	2990	<i>Vitis vinifera</i>
2933	<i>Treponema succinifaciens</i>	2991	<i>Vitreoscilla stercoraria</i>
2934	<i>Treponema vincentii</i>	2992	<i>Volvox carteri</i>
2935	<i>Tribolium castaneum</i>	2993	<i>Wallemia sebi</i>
2936	<i>Trichechus manatus</i>	2994	<i>Weissella koreensis</i>
2937	<i>Trichoderma reesei</i>	2995	<i>Weissella viridescens</i>
2938	<i>Trichodesmium erythraeum</i>	2996	<i>Wenxinia marina</i>
2939	<i>Trichomonas vaginalis</i>	2997	<i>Wigglesworthia glossinidia</i>
2940	<i>Tropheryma whipplei</i>	2998	<i>Williamsia</i> sp.
2941	<i>Truepera radiovictrix</i>	2999	<i>Wolbachia endosymbiont</i>
2942	<i>Trueperella pyogenes</i>	3000	<i>Wolinella succinogenes</i>
2943	<i>Trypanosoma cruzi</i>	3001	<i>Woodsholea maritima</i>
2944	<i>Tsukamurella paurometabola</i>	3002	<i>Xanthobacter autotrophicus</i>
2945	<i>Tuber melanosporum</i>	3003	<i>Xanthobacter</i> sp.
2946	<i>Tuberibacillus calidus</i>	3004	<i>Xanthobacteraceae bacterium</i>
2947	<i>Tupaia chinensis</i>	3005	<i>Xanthomonadaceae bacterium</i>
2948	<i>Turicella otitidis</i>	3006	<i>Xanthomonas albilineans</i>
2949	<i>Turneriella parva</i>	3007	<i>Xanthomonas arboricola</i>
2950	<i>Tursiops truncatus</i>	3008	<i>Xanthomonas axonopodis</i>
2951	<i>Uliginosibacterium gangwonense</i>	3009	<i>Xanthomonas campestris</i>

3010	<i>Xanthomonas cassavae</i>
3011	<i>Xanthomonas citri</i>
3012	<i>Xanthomonas hortorum</i>
3013	<i>Xanthomonas sacchari</i>
3014	<i>Xanthomonas</i> sp.
3015	<i>Xanthomonas translucens</i>
3016	<i>Xanthomonas vasicola</i>
3017	<i>Xenopus</i> (Silurana)
3018	<i>Xiphophorus maculatus</i>
3019	<i>Xylanimonas cellulossilytica</i>
3020	<i>Xylella fastidiosa</i>
3021	<i>Yaniella halotolerans</i>
3022	<i>Yarrowia lipolytica</i>
3023	<i>Yersinia pestis</i>
3024	<i>Yokenella regensburgei</i>
3025	<i>Zea mays</i>
3026	<i>Zeta proteobacterium</i>
3027	<i>Zobellia galactanivorans</i>
3028	<i>Zonotrichia albicollis</i>
3029	<i>Zooshikella ganghwensis</i>
3030	<i>Zymomonas mobilis</i>
3031	<i>Zymophilus raffinosisivorans</i>

Table S28 : The taxonomic profile predicted from the assembly results of MetaVelvet-SL using BLAST for the MH0012 dataset.

No.	Species
1	<i>Acidaminococcus fermentans</i>
2	<i>Actinomyces odontolyticus</i>
3	<i>Akkermansia muciniphila</i>
4	<i>Alistipes putredinis</i>
5	<i>Alistipes shahii</i>
6	<i>Anaerococcus unclassified</i>
7	<i>Anaerostipes caccae</i>
8	<i>Anaerotruncus colihominis</i>
9	<i>Bacteroides caccae</i>
10	<i>Bacteroides cellulosityticus</i>
11	<i>Bacteroides coprocola</i>
12	<i>Bacteroides coprophilus</i>
13	<i>Bacteroides dorei</i>
14	<i>Bacteroides eggerthii</i>
15	<i>Bacteroides finegoldii</i>
16	<i>Bacteroides fragilis</i>
17	<i>Bacteroides helcogenes</i>
18	<i>Bacteroides intestinalis</i>
19	<i>Bacteroides pectinophilus</i>
20	<i>Bacteroides plebeius</i>
21	<i>Bacteroides salanitronis</i>
22	<i>Bacteroides stercoris</i>
23	<i>Bacteroides thetaiotaomicron</i>
24	<i>Bacteroides unclassified</i>
25	<i>Bacteroides uniformis</i>
26	<i>Bacteroides vulgatus</i>
27	<i>Bacteroides xyloisolvans</i>
28	<i>Bifidobacterium adolescentis</i>
29	<i>Bifidobacterium angulatum</i>
30	<i>Bifidobacterium bifidum</i>
31	<i>Bifidobacterium breve</i>
32	<i>Bifidobacterium dentium</i>
33	<i>Bifidobacterium longum</i>
34	<i>Bifidobacterium pseudocatenulatum</i>
35	<i>Bilophila wadsworthia</i>
36	<i>Blautia hansenii</i>
37	<i>Blautia unclassified</i>
38	<i>Burkholderia unclassified</i>
39	<i>Butyrivibrio crossotus</i>
40	<i>Butyrivibrio unclassified</i>
41	<i>Catenibacterium mitsuokai</i>
42	<i>Citrobacter unclassified</i>
43	<i>Clostridium asparagiforme</i>
44	<i>Clostridium bartlettii</i>
45	<i>Clostridium boltea</i>
46	<i>Clostridium cf</i>
47	<i>Clostridium hathewayi</i>
48	<i>Clostridium leptum</i>
49	<i>Clostridium methylpentosum</i>
50	<i>Clostridium nexile</i>
51	<i>Clostridium scindens</i>
52	<i>Clostridium symbiosum</i>
53	<i>Collinsella stercoris</i>
54	<i>Coprococcus catus</i>
55	<i>Coprococcus comes</i>
56	<i>Deinococcus unclassified</i>
57	<i>Desulfovibrio desulfuricans</i>
58	<i>Dorea formicigenerans</i>
59	<i>Dorea longicatena</i>
60	<i>Eggerthella lenta</i>
61	<i>Enterococcus unclassified</i>
62	<i>Escherichia coli</i>
63	<i>Ethanoligenens harbinense</i>
64	<i>Eubacterium eligens</i>
65	<i>Eubacterium hallii</i>
66	<i>Eubacterium rectale</i>
67	<i>Eubacterium siraeum</i>
68	<i>Eubacterium ventriosum</i>
69	<i>Faecalibacterium cf</i>
70	<i>Faecalibacterium prausnitzii</i>
71	<i>Faecalibacterium unclassified</i>
72	<i>Gordonibacter pamelaee</i>
73	<i>Haemophilus parainfluenzae</i>
74	<i>Holdemania filiformis</i>
75	<i>Lactobacillus crispatus</i>
76	<i>Lactococcus lactis</i>
77	<i>Leuconostoc mesenteroides</i>
78	<i>Megasphaera micronuciformis</i>
79	<i>Methanobrevibacter smithii</i>
80	<i>Methanobrevibacter unclassified</i>
81	<i>Mitsuokella multacida</i>
82	<i>Mycobacterium unclassified</i>
83	<i>Odoribacter splanchnicus</i>
84	<i>Oxalobacter formigenes</i>
85	<i>Parabacteroides distasonis</i>
86	<i>Parabacteroides johnsonii</i>
87	<i>Parabacteroides merdae</i>
88	<i>Parabacteroides unclassified</i>
89	<i>Peptoniphilus unclassified</i>
90	<i>Phascolarctobacterium unclassified</i>
91	<i>Porphyromonas asaccharolytica</i>
92	<i>Porphyromonas uenonis</i>
93	<i>Prevotella bivia</i>
94	<i>Prevotella buccalis</i>
95	<i>Prevotella copri</i>
96	<i>Prevotella melaninogenica</i>
97	<i>Prevotella multififormis</i>
98	<i>Prevotella timonensis</i>
99	<i>Pseudoflavonifractor capillosus</i>
100	<i>Pseudomonas unclassified</i>
101	<i>Roseburia intestinalis</i>
102	<i>Roseburia inulinivorans</i>
103	<i>Rothia mucilaginosa</i>
104	<i>Rothia unclassified</i>
105	<i>Ruminococcus albus</i>
106	<i>Ruminococcus bromii</i>
107	<i>Ruminococcus gnavus</i>
108	<i>Ruminococcus lactaris</i>
109	<i>Ruminococcus obeum</i>
110	<i>Ruminococcus torques</i>

111	<i>Selenomonas sputigena</i>
112	<i>Selenomonas unclassified</i>
113	<i>Slackia unclassified</i>
114	<i>Solobacterium moorei</i>
115	<i>Streptococcus parasanguinis</i>
116	<i>Streptococcus salivarius</i>
117	<i>Subdoligranulum variabile</i>
118	<i>Succinatimonas hippei</i>
119	<i>Sutterella wadsworthensis</i>
120	<i>Veillonella atypica</i>
121	<i>Veillonella dispar</i>
122	<i>Veillonella parvula</i>
123	<i>Veillonella unclassified</i>
124	<i>Victivallis vadensis</i>
125	[<i>Bacillus</i>] <i>schlegelii</i>
126	[<i>Clostridium</i>] <i>aerotolerans</i>
127	[<i>Clostridium</i>] <i>aldrichii</i>
128	[<i>Clostridium</i>] <i>algidixylanolyticum</i>
129	[<i>Clostridium</i>] <i>alkalicellulosi</i>
130	[<i>Clostridium</i>] <i>aminophilum</i>
131	[<i>Clostridium</i>] <i>bifermentans</i>
132	[<i>Clostridium</i>] <i>cellobioparum</i>
133	[<i>Clostridium</i>] <i>cellulosi</i>
134	[<i>Clostridium</i>] <i>clostridioforme</i>
135	[<i>Clostridium</i>] <i>glycyrrhizinolyticum</i>
136	[<i>Clostridium</i>] <i>herbivorans</i>
137	[<i>Clostridium</i>] <i>hungatei</i>
138	[<i>Clostridium</i>] <i>hylemonae</i>
139	[<i>Clostridium</i>] <i>indolis</i>
140	[<i>Clostridium</i>] <i>josui</i>
141	[<i>Clostridium</i>] <i>lactatifermentans</i>
142	[<i>Clostridium</i>] <i>lavalense</i>
143	[<i>Clostridium</i>] <i>mangenotii</i>
144	[<i>Clostridium</i>] <i>methoxybenzovorans</i>
145	[<i>Clostridium</i>] <i>papyrosolvans</i>
146	[<i>Clostridium</i>] <i>propionicum</i>
147	[<i>Clostridium</i>] <i>saccharogumia</i>
148	[<i>Clostridium</i>] <i>sordellii</i>
149	[<i>Clostridium</i>] <i>sporosphaeroides</i>
150	[<i>Clostridium</i>] <i>sticklandii</i> ,
151	[<i>Clostridium</i>] <i>straminisolvans</i>
152	[<i>Clostridium</i>] <i>sufflavum</i>
153	[<i>Clostridium</i>] <i>termitidis</i>
154	[<i>Clostridium</i>] <i>thermosuccinogenes</i>
155	[<i>Clostridium</i>] <i>viride</i>
156	[<i>Clostridium</i>] <i>xylanolyticum</i>
157	[<i>Eubacterium</i>] <i>cellulosolvans</i>
158	[<i>Eubacterium</i>] <i>hallii</i>
159	[<i>Eubacterium</i>] <i>sulci</i>
160	<i>Abiotrophia defectiva</i>
161	<i>Acanthamoeba castellanii</i>
162	<i>Acanthamoeba polyphaga</i>
163	<i>Acanthisitta chloris</i>
164	<i>Acaricomes phytoseiuli</i>
165	<i>Acaryochloris marina</i>
166	<i>Acaryochloris</i> sp,
167	<i>Acetivibrio cellulolyticus</i>
168	<i>Acetivibrio ethanolgignens</i>

169	<i>Acetobacter aceti</i>
170	<i>Acetobacter nitrogenifigens</i>
171	<i>Acetobacter pasteurianus</i>
172	<i>Acetobacter</i> sp,
173	<i>Acetobacteraceae</i> bacterium
174	<i>Acetobacterium dehalogenans</i>
175	<i>Acetobacterium woodii</i>
176	<i>Acetohalobium arabaticum</i>
177	<i>Acholeplasma axanthum</i>
178	<i>Acholeplasma equifetale</i>
179	<i>Acholeplasma granularum</i>
180	<i>Acholeplasma laidlawii</i>
181	<i>Acholeplasma modicum</i>
182	<i>Acholeplasma multilocale</i>
183	<i>Acholeplasma</i> sp,
184	<i>Achromobacter piechaudii</i>
185	<i>Achromobacter xylooxidans</i>
186	<i>Acidaminococcus intestini</i>
187	<i>Acidaminococcus</i> sp,
188	<i>Acidimicrobidae</i> bacterium
189	<i>Acidiphilium angustum</i>
190	<i>Acidiphilium cryptum</i>
191	<i>Acidiphilium multivorum</i>
192	<i>Acidiphilium</i> sp,
193	<i>Acidithiobacillus caldus</i>
194	<i>Acidithiobacillus ferrivorans</i>
195	<i>Acidithiobacillus ferrooxidans</i>
196	<i>Acidithiobacillus thiooxidans</i>
197	<i>Acidobacteria</i> bacterium
198	<i>Acidobacteriaceae</i> bacterium
199	<i>Acidobacterium capsulatum</i>
200	<i>Acidobacterium</i> sp,
201	<i>Acidocella facilis</i>
202	<i>Acidocella</i> sp,
203	<i>Acidomonas methanolica</i>
204	<i>Acidothermus cellulolyticus</i>
205	<i>Acidovorax avenae</i>
206	<i>Acidovorax citrulli</i>
207	<i>Acidovorax ebreus</i>
208	<i>Acidovorax oryzae</i>
209	<i>Acidovorax radialis</i>
210	<i>Acidovorax</i> sp,
211	<i>Aciduliprofundum</i> sp,
212	<i>Acinetobacter baumannii</i>
213	<i>Acinetobacter beijerinckii</i>
214	<i>Acinetobacter bereziniae</i>
215	<i>Acinetobacter bouvetii</i>
216	<i>Acinetobacter brisouii</i>
217	<i>Acinetobacter calcoaceticus</i>
218	<i>Acinetobacter generi</i>
219	<i>Acinetobacter gyllenbergii</i>
220	<i>Acinetobacter indicus</i>
221	<i>Acinetobacter johnsonii</i>
222	<i>Acinetobacter junii</i>
223	<i>Acinetobacter lwoffii</i>
224	<i>Acinetobacter nectaris</i>
225	<i>Acinetobacter nosocomialis</i>
226	<i>Acinetobacter pittii</i>

227	<i>Acinetobacter radioresistens</i>
228	<i>Acinetobacter soli</i>
229	<i>Acinetobacter</i> sp,
230	<i>Acinetobacter towneri</i>
231	<i>Acinetobacter ursingii</i>
232	<i>Actinoalloteichus cyanogriseus</i>
233	<i>Actinoalloteichus spitiensis</i>
234	<i>Actinobacillus pleuropneumoniae</i>
235	<i>Actinobacillus succinogenes</i>
236	<i>Actinobacterium LLX17</i>
237	<i>Actinobacterium SCGC</i>
238	<i>Actinobaculum massiliae</i>
239	<i>Actinobaculum schaalii</i>
240	<i>Actinobaculum</i> sp,
241	<i>Actinobaculum urinale</i>
242	<i>Actinocatenispora sera</i>
243	<i>Actinokineospora enzanensis</i>
244	<i>Actinokineospora inagensis</i>
245	<i>Actinomadura atramentaria</i>
246	<i>Actinomadura flavalba</i>
247	<i>Actinomadura madurae</i>
248	<i>Actinomadura oligospora</i>
249	<i>Actinomadura rifamycini</i>
250	<i>Actinomyces cardiffensis</i>
251	<i>Actinomyces dentalis</i>
252	<i>Actinomyces gerencseriae</i>
253	<i>Actinomyces graevenitzi</i>
254	<i>Actinomyces johnsonii</i>
255	<i>Actinomyces massiliensis</i>
256	<i>Actinomyces neuui</i>
257	<i>Actinomyces oris</i>
258	<i>Actinomyces slackii</i>
259	<i>Actinomyces</i> sp,
260	<i>Actinomyces suimastitidis</i>
261	<i>Actinomyces timonensis</i>
262	<i>Actinomyces turicensis</i>
263	<i>Actinomyces urogenitalis</i>
264	<i>Actinomyces vaccimaxillae</i>
265	<i>Actinomyces viscosus</i>
266	<i>Actinomycetospora Chiangmaiensis</i>
267	<i>Actinoplanes friuliensis</i>
268	<i>Actinoplanes globisporus</i>
269	<i>Actinoplanes missouriensis</i>
270	<i>Actinoplanes</i> sp,
271	<i>Actinoplanes subtropicus</i>
272	<i>Actinopolymorpha alba</i>
273	<i>Actinopolyspora halophila</i>
274	<i>Actinopolyspora mortivallis</i>
275	<i>Actinosynnema mirum</i>
276	<i>Acyrtosiphon pisum</i>
277	<i>Adlercreutzia equolifaciens</i>
278	<i>Advenella kashmirensis</i>
279	<i>Aedes aegypti</i>
280	<i>Aequorivita sublithicola</i>
281	<i>Aeromonas caviae</i>
282	<i>Aeromonas enteropelogenes</i>
283	<i>Aeromonas hydrophila</i>
284	<i>Aeromonas salmonicida</i>

285	<i>Aeromonas</i> sp,
286	<i>Aeromonas veronii</i>
287	<i>Aerophobetes bacterium</i>
288	<i>Aestuariibacter salexigens</i>
289	<i>Aestuariimicrobium kwangyangense</i>
290	<i>Afifella pfennigii</i>
291	<i>Afipia broomeae</i>
292	<i>Afipia clevelandensis</i>
293	<i>Afipia felis</i>
294	<i>Afipia</i> sp,
295	<i>Aggregatibacter actinomycetemcomitans</i>
296	<i>Aggregatibacter segnis</i>
297	<i>Agrobacterium fabrum</i>
298	<i>Agrobacterium radiobacter</i>
299	<i>Agrobacterium</i> sp,
300	<i>Agrobacterium tumefaciens</i>
301	<i>Agrobacterium vitis</i>
302	<i>Agrococcus lahauensis</i>
303	<i>Agrococcus pavilionensis</i>
304	<i>Agromonas oligotrophica</i>
305	<i>Agromyces italicus</i>
306	<i>Agromyces subbeticus</i>
307	<i>Ahrensia kielensis</i>
308	<i>Ahrensia</i> sp,
309	<i>Ailuropoda melanoleuca</i>
310	<i>Ajellomyces capsulatus</i>
311	<i>Akkermansia</i> sp,
312	<i>Alcaligenes</i> sp,
313	<i>Alcanivorax borkumensis</i>
314	<i>Alcanivorax dieselolei</i>
315	<i>Alcanivorax</i> sp,
316	<i>Algoriphagus marincola</i>
317	<i>Algoriphagus</i> sp,
318	<i>Aliagarivorans marinus</i>
319	<i>Alicyclophilus denitrificans</i>
320	<i>Alicyclobacillus acidocaldarius</i>
321	<i>Alicyclobacillus acidoterrestris</i>
322	<i>Alicyclobacillus contaminans</i>
323	<i>Alicyclobacillus herbarius</i>
324	<i>Alicyclobacillus macrosporangioides</i>
325	<i>Alicyclobacillus pohliae</i>
326	<i>Alicyclobacillus pomorum</i>
327	<i>Aliihoeflea</i> sp,
328	<i>Aliivibrio fischeri</i>
329	<i>Aliivibrio salmonicida</i>
330	<i>Alistipes finegoldii</i>
331	<i>Alistipes indistinctus</i>
332	<i>Alistipes onderdonkii</i>
333	<i>Alistipes senegalensis</i>
334	<i>Alistipes</i> sp,
335	<i>Alistipes timonensis</i>
336	<i>Alkalibacillus haloalkaliphilus</i>
337	<i>Alkalibacter saccharofermentans</i>
338	<i>Alkalibaculum bacchi</i>
339	<i>Alkaliflexus imshenetskii</i>
340	<i>Alkalilimnicola ehrlichii</i>
341	<i>Alkaliphilus crotonatoxidans</i>
342	<i>Alkaliphilus metalliredigens</i>

343	<i>Alkaliphilus oremlandii</i>
344	<i>Alkaliphilus transvaalensis</i>
345	<i>Alkanindiges illinoisensis</i>
346	<i>Alligator mississippiensis</i>
347	<i>Alligator sinensis</i>
348	<i>Allisonella histaminiformans</i>
349	<i>Allobaculum stercoricanis</i>
350	<i>Allochromatium vinosum</i>
351	<i>Allofustis seminis</i>
352	<i>Allokutzneria albata</i>
353	<i>Alloprevotella rava</i>
354	<i>Alloscardovia omnicoles</i>
355	<i>Alpha proteobacterium</i>
356	<i>alpha proteobacterium</i>
357	<i>Alteromonas macleodii</i>
358	<i>Amborella trichopoda</i>
359	<i>Aminicenantes bacterium</i>
360	<i>Aminiphilus circumscriptus</i>
361	<i>Aminobacter</i> sp,
362	<i>Aminobacterium colombiense</i>
363	<i>Aminobacterium mobile</i>
364	<i>Aminomonas paucivorans</i>
365	<i>Ammonifex degensii</i>
366	<i>Amorphus coralli</i>
367	<i>Amphibacillus jiliniensis</i>
368	<i>Amphibacillus xylanus</i>
369	<i>Amphritea japonica</i>
370	<i>Amycolatopsis alba</i>
371	<i>Amycolatopsis balhimycina</i>
372	<i>Amycolatopsis benzoatilytica</i>
373	<i>Amycolatopsis mediterranei</i>
374	<i>Amycolatopsis nigrescens</i>
375	<i>Amycolatopsis orientalis</i>
376	<i>Amycolatopsis</i> sp,
377	<i>Amycolatopsis taiwanensis</i>
378	<i>Anaeroarcus burkinensis</i>
379	<i>Anaerobacterium chartisolvens</i>
380	<i>Anaerobaculum hydrogeniformans</i>
381	<i>Anaerobaculum mobile</i>
382	<i>Anaerobiospirillum succiniciproducens</i>
383	<i>Anaerobranca horikoshii</i>
384	<i>Anaerofilum agile</i>
385	<i>Anaerofilum pentosovorans</i>
386	<i>Anaerofustis stercorihominis</i>
387	<i>Anaeroglobus geminatus</i>
388	<i>Anaerolinea thermophila</i>
389	<i>Anaeromusa acidaminophila</i>
390	<i>Anaeromyxobacter dehalogenans</i>
391	<i>Anaeromyxobacter</i> sp,
392	<i>Anaerophaga thermohalophila</i>
393	<i>Anaerorhabdus furcosa</i>
394	<i>Anaerosporobacter mobilis</i>
395	<i>Anaerostipes hadrus</i>
396	<i>Anaerostipes</i> sp,
397	<i>Anaerotruncus</i> sp,
398	<i>Anaerovibrio lipolyticus</i>
399	<i>Anaerovibrio</i> sp,
400	<i>Anaerovorax odorimutans</i>

401	<i>Anas platyrhynchos</i>
402	<i>Aneurinibacillus aneurinilyticus</i>
403	<i>Aneurinibacillus terranovensis</i>
404	<i>Anolis carolinensis</i>
405	<i>Anopheles gambiae</i>
406	<i>Anoxybacillus flavithermus</i>
407	<i>Anoxybacillus kamchatkensis</i>
408	<i>Anoxybacillus tengchongensis</i>
409	<i>Anoxybacillus tepidamans</i>
410	<i>Aotus nancymae</i>
411	<i>Apis dorsata</i>
412	<i>Apis florea</i>
413	<i>Apis mellifera</i>
414	<i>Aplysia californica</i>
415	<i>Aptenodytes forsteri</i>
416	<i>Aquimarina agarilytica</i>
417	<i>Aquimarina latercula</i>
418	<i>Aquimarina</i> sp,
419	<i>Arabidopsis thaliana</i>
420	<i>Archaeoglobus fulgidus</i>
421	<i>Archaeoglobus veneficus</i>
422	<i>Arcobacter butzleri</i>
423	<i>Arcobacter cibarius</i>
424	<i>Arcobacter</i> sp,
425	<i>Arenibacter algicola</i>
426	<i>Arenimonas composti</i>
427	<i>Arenimonas oryziterrae</i>
428	<i>Arenitalea lutea</i>
429	<i>Arhodomonas aquaeolei</i>
430	<i>Aromatoleum aromaticum</i>
431	<i>Arsenicococcus bolidensis</i>
432	<i>Arthrobacter arilaitensis</i>
433	<i>Arthrobacter castelli</i>
434	<i>Arthrobacter nicotinovorans</i>
435	<i>Arthrobacter phenanthrenivorans</i>
436	<i>Arthrobacter sanguinis</i>
437	<i>Arthrobacter</i> sp,
438	<i>Arthroderma otae</i>
439	<i>Arthrospira platensis</i>
440	<i>Asaia astilbes</i>
441	<i>Asaia platycodi</i>
442	<i>Asaia prunellae</i>
443	<i>Asaia</i> sp,
444	<i>Ashbya gossypii</i>
445	<i>Aspergillus clavatus</i>
446	<i>Aspergillus niger</i>
447	<i>Aspergillus terreus</i>
448	<i>Asticcacaulis benevestitus</i>
449	<i>Asticcacaulis biprosthecum</i>
450	<i>Asticcacaulis excentricus</i>
451	<i>Asticcacaulis</i> sp,
452	<i>Astyanax mexicanus</i>
453	<i>Atopobium minutum</i>
454	<i>Atopobium parvulum</i>
455	<i>Atopobium</i> sp,
456	<i>Atopobium vaginae</i>
457	<i>Atopococcus tabaci</i>
458	<i>Atribacteria bacterium</i>

459	<i>Aurantimonas coralicida</i>	517	<i>Bacillus timonensis</i>
460	<i>Aurantimonas manganooxydans</i>	518	<i>Bacillus weihenstephanensis</i>
461	<i>Aureimonas ureilytica</i>	519	<i>Bacteriovorax marinus</i>
462	<i>Aureococcus anophagefferens</i>	520	<i>Bacterium JKG1</i>
463	<i>Auricularia delicata</i>	521	Bacteroidales bacterium
464	<i>Azoarcus</i> sp,	522	Bacteroidetes bacterium
465	<i>Azoarcus toluclasticus</i>	523	Bacteroidetes oral
466	<i>Azohydromonas australica</i>	524	<i>Balaenoptera acutorostrata</i>
467	<i>Azonexus hydrophilus</i>	525	<i>Balneatrix alpica</i>
468	<i>Azorhizobium caulinodans</i>	526	<i>Balneimonas flocculans</i>
469	<i>Azorhizobium doebereinaerae</i>	527	<i>Balneola vulgaris</i>
470	<i>Azospirillum brasilense</i>	528	<i>Barnesiella intestinihominis</i>
471	<i>Azospirillum halopraeferens</i>	529	<i>Bartonella australis</i>
472	<i>Azospirillum lipoferum</i>	530	<i>Bartonella elizabethae</i>
473	<i>Azospirillum</i> sp,	531	<i>Bartonella quintana</i>
474	<i>Azotobacter vinelandii</i>	532	<i>Bartonella schoenbuchensis</i>
475	<i>Azovibrio restrictus</i>	533	<i>Bartonella tamiiae</i>
476	<i>Bacillus acidiproducens</i>	534	<i>Bartonella tribocorum</i>
477	<i>Bacillus aitingensis</i>	535	<i>Bavariicoccus seileri</i>
478	<i>Bacillus amyloliquefaciens</i>	536	<i>Bdellovibrio bacteriovorus</i>
479	<i>Bacillus anthracis</i>	537	<i>Bdellovibrio exovorus</i>
480	<i>Bacillus atrophaeus</i>	538	<i>Beauveria bassiana</i>
481	<i>Bacillus aurantiacus</i>	539	<i>Beggiatoa alba</i>
482	<i>Bacillus bogoriensis</i>	540	<i>Belliella baltica</i>
483	<i>Bacillus cellulosilyticus</i>	541	<i>Beta proteobacterium</i>
484	<i>Bacillus cereus</i>	542	<i>Beutenbergia cavernae</i>
485	<i>Bacillus chagannorensis</i>	543	<i>Bifidobacterium animalis</i>
486	<i>Bacillus clausii</i>	544	<i>Bifidobacterium asteroides</i>
487	<i>Bacillus coagulans</i>	545	<i>Bifidobacterium boum</i>
488	<i>Bacillus cytotoxicus</i>	546	<i>Bifidobacterium choerinum</i>
489	<i>Bacillus endophyticus</i>	547	<i>Bifidobacterium magnum</i>
490	<i>Bacillus flexus</i>	548	<i>Bifidobacterium minimum</i>
491	<i>Bacillus fordii</i>	549	<i>Bifidobacterium pseudolongum</i>
492	<i>Bacillus ginsengihumi</i>	550	<i>Bifidobacterium ruminantium</i>
493	<i>Bacillus halodurans</i>	551	<i>Bifidobacterium</i> sp,
494	<i>Bacillus infantis</i>	552	<i>Bifidobacterium subtile</i>
495	<i>Bacillus kribbensis</i>	553	<i>Bifidobacterium thermacidophilum</i>
496	<i>Bacillus licheniformis</i>	554	<i>Bifidobacterium thermophilum</i>
497	<i>Bacillus mannanilyticus</i>	555	<i>Bifidobacterium tsurumiense</i>
498	<i>Bacillus marmarensis</i>	556	<i>Bilophila</i> sp,
499	<i>Bacillus massilioanorexius</i>	557	<i>Bipolaris oryzae</i>
500	<i>Bacillus massiliosenegalensis</i>	558	<i>Blastocatella fastidiosa</i>
501	<i>Bacillus megaterium</i>	559	<i>Blastococcus saxobsidens</i>
502	<i>Bacillus mojavensis</i>	560	<i>Blastococcus</i> sp,
503	<i>Bacillus oceanisediminis</i>	561	<i>Blastomonas</i> sp,
504	<i>Bacillus panaciterrae</i>	562	<i>Blastopirellula marina</i>
505	<i>Bacillus phage</i>	563	<i>Bombus impatiens</i>
506	<i>Bacillus pseudofirmus</i>	564	<i>Bombus terrestris</i>
507	<i>Bacillus pseudomycoides</i>	565	<i>Bombyx mori</i>
508	<i>Bacillus pumilus</i>	566	<i>Bordetella avium</i>
509	<i>Bacillus selenitireducens</i>	567	<i>Bordetella bronchiseptica</i>
510	<i>Bacillus siamensis</i>	568	<i>Bordetella hinzii</i>
511	<i>Bacillus smithii</i>	569	<i>Bordetella holmesii</i>
512	<i>Bacillus sonorensis</i>	570	<i>Bordetella petrii</i>
513	<i>Bacillus</i> sp,	571	<i>Bordetella</i> sp,
514	<i>Bacillus subtilis</i>	572	<i>Bordetella trematum</i>
515	<i>Bacillus tequilensis</i>	573	<i>Borrelia afzelii</i>
516	<i>Bacillus thuringiensis</i>	574	<i>Borrelia miyamotoi</i>

575	<i>Bos mutus</i>
576	<i>Bos taurus</i>
577	<i>Bosea</i> sp,
578	<i>Brachybacterium faecium</i>
579	<i>Brachybacterium muris</i>
580	<i>Brachybacterium paraconglomeratum</i>
581	<i>Brachybacterium squillarum</i>
582	<i>Brachymonas chironomi</i>
583	<i>Brachypodium distachyon</i>
584	<i>Brachyspira alvinipulli</i>
585	<i>Brachyspira hyodysenteriae</i>
586	<i>Brachyspira intermedia</i>
587	<i>Brachyspira murdochii</i>
588	<i>Brachyspira pilosicoli</i>
589	<i>Brachyspira</i> sp,
590	<i>Brackiella oedipodis</i>
591	Bradyrhizobiaceae bacterium
592	<i>Bradyrhizobium elkanii</i>
593	<i>Bradyrhizobium</i> genosp,
594	<i>Bradyrhizobium japonicum</i>
595	<i>Bradyrhizobium</i> sp,
596	<i>Branchiostoma floridae</i>
597	<i>Brassica rapa</i>
598	BRC1 bacterium
599	<i>Brenneria</i> sp,
600	<i>Brevibacillus agri</i>
601	<i>Brevibacillus borstelensis</i>
602	<i>Brevibacillus brevis</i>
603	<i>Brevibacillus laterosporus</i>
604	<i>Brevibacillus massiliensis</i> ,
605	<i>Brevibacillus panacihumi</i>
606	<i>Brevibacillus thermoruber</i>
607	<i>Brevibacterium album</i>
608	<i>Brevibacterium linens</i>
609	<i>Brevibacterium massiliense</i>
610	<i>Brevibacterium senegalense</i> ,
611	<i>Brevibacterium</i> sp,
612	<i>Brevundimonas bacteroides</i>
613	<i>Brevundimonas diminuta</i>
614	<i>Brevundimonas naejangsanensis</i>
615	<i>Brevundimonas</i> sp,
616	<i>Brevundimonas subvibrioides</i>
617	<i>Brochothrix</i> phage
618	<i>Brucella abortus</i>
619	<i>Brucella ceti</i>
620	<i>Brucella inopinata</i>
621	<i>Brucella</i> sp,
622	<i>Brugia malayi</i>
623	<i>Bryobacter aggregatus</i>
624	<i>Bubalus bubalis</i>
625	<i>Buchnera aphidicola</i>
626	Burkholderiales bacterium
627	Butyrate-producing bacterium
628	<i>Butyricoccus pullicaecorum</i>
629	<i>Butyricimonas synergistica</i>
630	<i>Butyricimonas virosa</i>
631	<i>Caenorhabditis briggsae</i>
632	<i>Caenorhabditis elegans</i>

633	<i>Caenorhabditis remanei</i>
634	<i>Caldanaerobius polysaccharolyticus</i>
635	<i>Caldibacillus debilis</i>
636	<i>Caldicellulosiruptor acetigenus</i>
637	<i>Caldicellulosiruptor hydrothermalis</i>
638	<i>Caldicellulosiruptor kristjanssonii</i>
639	<i>Caldicellulosiruptor kronotskyensis</i>
640	<i>Caldicellulosiruptor lactoaceticus</i>
641	<i>Caldicellulosiruptor obsidiansis</i>
642	<i>Caldicellulosiruptor owensensis</i>
643	<i>Caldicellulosiruptor saccharolyticus</i>
644	<i>Caldicoprobacter guelmensis</i>
645	<i>Caldicoprobacter oshimai</i>
646	<i>Caldilinea aerophila</i>
647	<i>Caldimonas manganoxidans</i>
648	<i>Caldithrix abyssi</i>
649	<i>Callithrix jacchus</i>
650	<i>Callorhynchus milii</i>
651	<i>Caloramator boliviensis</i>
652	<i>Caloramator</i> sp,
653	<i>Caloranaerobacter azorensis</i>
654	<i>Calothrix</i> sp,
655	<i>Calypte anna</i>
656	<i>Camelus ferus</i>
657	<i>Campylobacter concisus</i>
658	<i>Campylobacter cuniculorum</i>
659	<i>Campylobacter curvus</i>
660	<i>Campylobacter fetus</i>
661	<i>Campylobacter jejuni</i>
662	<i>Campylobacter lari</i>
663	<i>Campylobacter</i> sp,
664	<i>Campylobacter ureolyticus</i>
665	Campylobacterales bacterium
666	<i>Candida dubliniensis</i>
667	<i>Candida glabrata</i>
668	<i>Candida orthopsilosis</i>
669	<i>Candida tropicalis</i>
670	Candidate division
671	Candidatus <i>Accumulibacter</i>
672	Candidatus <i>Alistipes</i>
673	Candidatus <i>Ancillula</i>
674	Candidatus <i>Arthromitus</i>
675	Candidatus <i>Caldatribacterium</i>
676	Candidatus <i>Chloracidobacterium</i>
677	Candidatus <i>Cloacamonas</i>
678	Candidatus <i>Desulfurudis</i>
679	Candidatus <i>Endolissoclinum</i>
680	Candidatus <i>Hamiltonella</i>
681	Candidatus <i>Hydrogenedens</i>
682	Candidatus <i>Koribacter</i>
683	Candidatus <i>Liberibacter</i>
684	Candidatus <i>Methanomethylophilus</i>
685	Candidatus <i>Methylomirabilis</i>
686	Candidatus <i>Microthrix</i>
687	Candidatus <i>Nitrosopumilus</i>
688	Candidatus <i>Nitrospira</i>
689	Candidatus <i>Omnitrophus</i>
690	Candidatus <i>Pelagibacter</i>

691	Candidatus Phytoplasma
692	Candidatus Poribacteria
693	Candidatus Protochlamydia
694	Candidatus Puniceispirillum
695	Candidatus Regiella
696	Candidatus Ruthia
697	Candidatus Saccharibacteria
698	Candidatus Saccharimonas
699	Candidatus Schmidhempelia
700	Candidatus Solibacter
701	Candidatus Stoquefichus
702	Candidatus Sulcia
703	Canis lupus
704	Capnocytophaga cynodegmi
705	Capnocytophaga granulosa
706	Capnocytophaga ochracea
707	Capnocytophaga sp,
708	Capra hircus
709	Capsella rubella
710	Carboxydibrachium pacificum
711	Carboxydocella manganica
712	Carboxydotherrnus ferrireducens
713	Carboxydotherrnus hydrogenoformans
714	Cardiobacterium hominis
715	Cardiobacterium valvarum
716	Carnimonas nigrificans
717	Carnobacterium jeotgali
718	Carnobacterium maltaromaticum
719	Carnobacterium sp,
720	Catabacter hongkongensis
721	Catelliglobosipora koreensis
722	
723	Catenibacterium sp,
724	Catenovulum agarivorans
725	Catenulispora acidiphila
726	Catonella morbi
727	Caulobacter crescentus
728	Caulobacter segnis
729	Caulobacter sp,
730	Caulobacteraceae bacterium
731	Cavia porcellus
732	Cedecea davisae
733	Cellulomonas fimi
734	Cellulomonas massiliensis
735	Cellulomonas sp,
736	Cellulophaga algicola
737	Cellulophaga lytica
738	Cellulosimicrobium cellulans
739	Cellvibrio gilvus
740	Cellvibrio japonicus
741	Cellvibrio sp,
742	Centipeda periodontii
743	Ceratitidis capitata
744	Ceratotherium simum
745	Cetobacterium somerae
746	Chaetomium globosum
747	Chaetomium thermophilum
748	Chamaesiphon minutus

749	Chelativorans sp,
750	Chelatococcus sp,
751	Chelonia mydas
752	Chinchilla lanigera
753	Chitinibacter tainanensis
754	Chitinilyticum aquatile
755	Chitinilyticum litopenaei
756	Chitinimonas koreensis
757	Chitiniphilus shinanonensis
758	Chitinophaga pinensis
759	Chitinophagaceae bacterium
760	Chlamydomonas reinhardtii
761	Chlorella variabilis
762	Chlorobaculum parvum
763	Chlorobium chlorochromatii
764	Chlorobium limicola
765	Chlorobium luteolum
766	Chlorobium phaeobacteroides
767	Chlorobium phaeovibrioides
768	Chlorobium tepidum
769	Chlorocebus aethiops
770	Chlorocebus sabaesus
771	Chloroflexi bacterium
772	Chloroflexus aggregans
773	Chloroflexus sp,
774	Chlorogloeopsis fritschii
775	Chloroherpeton thalassium
776	Chloepus hoffmanni
777	Christensenella minuta
778	Chromobacterium violaceum
779	Chromohalobacter salexigens
780	Chroococciopsis thermalis
781	Chrysemys picta
782	Chryseobacterium antarcticum
783	Chryseobacterium caeni
784	Chryseobacterium daeguense
785	Chryseobacterium gleum
786	Chryseobacterium gregarium
787	Chryseobacterium haifense
788	Chryseobacterium hispalense
789	Chryseobacterium taeanense
790	Chrysiogenes arsenatis
791	Chrysochloris asiatica
792	Chthonomonas calidirosea
793	Cicer arietinum
794	Citreicella sp,
795	Citricoccus sp,
796	Citromicrobium bathyomarinum
797	Citromicrobium sp,
798	Citrus clementina
799	Citrus sinensis
800	Cladophialophora carrionii
801	Clavibacter michiganensis
802	Clavispora lusitaniae
803	Cloacimonetes bacterium
804	Clostridiales bacterium
805	Clostridiales genomsp,
806	Clostridiisalibacter paucivorans

807	<i>Clostridium acetium</i>
808	<i>Clostridium acetobutylicum</i>
809	<i>Clostridium aciditolerans</i>
810	<i>Clostridium acidurici</i>
811	<i>Clostridium akagii</i>
812	<i>Clostridium algidicarnis</i>
813	<i>Clostridium arbusti</i>
814	<i>Clostridium aurantibutyricum</i>
815	<i>Clostridium autoethanogenum</i>
816	<i>Clostridium beijerinckii</i>
817	<i>Clostridium botulinum</i>
818	<i>Clostridium butyricum</i>
819	<i>Clostridium cadaveris</i>
820	<i>Clostridium carboxidivorans</i>
821	<i>Clostridium celatum</i>
822	<i>Clostridium cellobioparum</i>
823	<i>Clostridium cellulolyticum</i>
824	<i>Clostridium cellulovorans</i>
825	<i>Clostridium citroniae</i>
826	<i>Clostridium clariflavum</i>
827	<i>Clostridium clostridioforme</i>
828	<i>Clostridium colicanis</i>
829	<i>Clostridium difficile</i>
830	<i>Clostridium disporicum</i>
831	<i>Clostridium formicaceticum</i>
832	<i>Clostridium ganghwense</i>
833	<i>Clostridium glycolicum</i>
834	<i>Clostridium hiranonis</i>
835	<i>Clostridium hydrogeniformans</i>
836	<i>Clostridium hylemonae</i>
837	<i>Clostridium innocuum</i>
838	<i>Clostridium intestinale</i>
839	<i>Clostridium kluiveri</i>
840	<i>Clostridium lentocellum</i>
841	<i>Clostridium ljungdahlii</i>
842	<i>Clostridium lundense</i>
843	<i>Clostridium novyi</i>
844	<i>Clostridium paraputrificum</i>
845	<i>Clostridium pasteurianum</i>
846	<i>Clostridium perfringens</i>
847	<i>Clostridium phytofermentans</i>
848	<i>Clostridium ramosum</i>
849	<i>Clostridium saccharobutylicum</i>
850	<i>Clostridium saccharogumia</i>
851	<i>Clostridium saccharolyticum</i>
852	<i>Clostridium saccharoperbutylaceticum</i>
853	<i>Clostridium scatologenes</i>
854	<i>Clostridium senegalense</i>
855	<i>Clostridium</i> sp,
856	<i>Clostridium spiroforme</i>
857	<i>Clostridium sporogenes</i>
858	<i>Clostridium sporosphaeroides</i>
859	<i>Clostridium stercorarium</i>
860	<i>Clostridium tertium</i>
861	<i>Clostridium tetani</i>
862	<i>Clostridium thermobutyricum</i>
863	<i>Clostridium thermocellum</i>
864	<i>Clostridium tunisiense</i>

865	<i>Clostridium tyrobutyricum</i>
866	<i>Clostridium ultunense</i>
867	<i>Clostridium viride</i>
868	<i>Cobetia crustatorum</i>
869	<i>Cohnella laeviribosi</i>
870	<i>Cohnella panacarvi</i>
871	<i>Cohnella thermotolerans</i>
872	<i>Colletotrichum gloeosporioides</i>
873	<i>Collimonas fungivorans</i>
874	<i>Collinsella intestinalis</i>
875	<i>Collinsella</i> sp,
876	<i>Collinsella tanakaei</i>
877	<i>Columba livia</i>
878	<i>Colwellia piezophila</i>
879	Comamonadaceae bacterium
880	<i>Comamonas badia</i>
881	<i>Comamonas composti</i>
882	<i>Comamonas</i> sp,
883	<i>Comamonas testosteroni</i>
884	complete chromosome
885	<i>Conchiformibius kuhniae</i>
886	<i>Conchiformibius steedae</i>
887	<i>Condylura cristata</i>
888	<i>Conexibacter woesei</i>
889	<i>Congregibacter litoralis</i>
890	<i>Coniophora puteana</i>
891	<i>Coprobacillus</i> sp,
892	<i>Coprobacter fastidiosus</i>
893	<i>Coprococcus comes</i>
894	<i>Coprococcus eutactus</i>
895	<i>Coprococcus</i> sp,
896	<i>Coprothermobacter proteolyticus</i>
897	<i>Coraliomargarita akajimensis</i>
898	<i>Coraliomargarita</i> sp,
899	<i>Corallocooccus coralloides</i>
900	<i>Corallocooccus</i> sp,
901	<i>Cordyceps militaris</i>
902	Coriobacteriaceae bacterium
903	<i>Coriobacterium glomerans</i>
904	<i>Corticium candelabrum</i>
905	<i>Corvus brachyrhynchos</i>
906	<i>Corynebacterium accolens</i>
907	<i>Corynebacterium ammoniagenes</i>
908	<i>Corynebacterium argentoratense</i>
909	<i>Corynebacterium aurimucosum</i>
910	<i>Corynebacterium bovis</i>
911	<i>Corynebacterium callunae</i>
912	<i>Corynebacterium capitovis</i>
913	<i>Corynebacterium ciconiae</i>
914	<i>Corynebacterium crenatum</i>
915	<i>Corynebacterium diphtheriae</i>
916	<i>Corynebacterium doosanense</i>
917	<i>Corynebacterium durum</i>
918	<i>Corynebacterium efficiens</i>
919	<i>Corynebacterium genitalium</i>
920	<i>Corynebacterium glucuronolyticum</i>
921	<i>Corynebacterium halotolerans</i>
922	<i>Corynebacterium jeikeium</i>

923	<i>Corynebacterium kroppenstedtii</i>	981	<i>Dasyplus novemcinctus</i>
924	<i>Corynebacterium lipophiloflavum</i>	982	<i>Dechloromonas agitata</i>
925	<i>Corynebacterium lubricantis</i>	983	<i>Dechloromonas aromatica</i>
926	<i>Corynebacterium maris</i>	984	<i>Dechlorosoma suillum</i>
927	<i>Corynebacterium massiliense</i>	985	<i>Deferrisoma camini</i>
928	<i>Corynebacterium mastitidis</i>	986	<i>Defluviitalea saccharophila</i>
929	<i>Corynebacterium matruchotii</i>	987	<i>Dehalobacter restrictus</i>
930	<i>Corynebacterium pilosum</i>	988	<i>Dehalobacter sp.</i>
931	<i>Corynebacterium propinquum</i>	989	<i>Dehalococcoides ethenogenes</i>
932	<i>Corynebacterium pseudodiphtheriticum</i>	990	<i>Dehalococcoides mccartyi</i>
933	<i>Corynebacterium pseudogenitalium</i>	991	<i>Dehalococcoides sp.</i>
934	<i>Corynebacterium resistens</i>	992	<i>Dehalococcoidia bacterium</i>
935	<i>Corynebacterium sp.</i>	993	<i>Dehalogenimonas lykanthroporepellens</i>
936	<i>Corynebacterium sputi</i>	994	<i>Delftia acidovorans</i>
937	<i>Corynebacterium striatum</i>	995	<i>Delftia sp.</i>
938	<i>Corynebacterium terpenotabidum</i>	996	<i>Delta proteobacterium</i>
939	<i>Corynebacterium ulcerans</i>	997	<i>Demetria terrigena</i>
940	<i>Corynebacterium ulceribovis</i>	998	<i>Denitrobacterium detoxificans</i>
941	<i>Corynebacterium urealyticum</i>	999	<i>Denitrovibrio acetiphilus</i>
942	<i>Corynebacterium variabile</i>	1000	<i>Dermabacter sp.</i>
943	<i>Corynebacterium-like bacterium</i>	1001	<i>Dermatophilus congolensis</i>
944	<i>Coxiella burnetii</i>	1002	<i>Derxia gummosa</i>
945	<i>Crenarchaeota archaeon</i>	1003	<i>Desmospora sp.</i>
946	<i>Cricetulus griseus</i>	1004	<i>Desulfarculus baarsii</i>
947	<i>Croceibacter atlanticus</i>	1005	<i>Desulfatibacillum aliphaticivorans</i>
948	<i>Cronobacter helveticus</i>	1006	<i>Desulfatibacillum alkenivorans</i>
949	<i>Cronobacter pulveris</i>	1007	<i>Desulfatirhabdium butyrativorans</i>
950	<i>Cronobacter sakazakii</i>	1008	<i>Desulfitibacter alkalitolerans</i>
951	<i>Cronobacter sp.</i>	1009	<i>Desulfitispora alkaliphila</i>
952	<i>Cronobacter turicensis</i>	1010	<i>Desulfitobacterium dichloroeliminans</i>
953	<i>Cryocolla sp.</i>	1011	<i>Desulfitobacterium hafniense</i>
954	<i>Cryptobacterium curtum</i>	1012	<i>Desulfitobacterium sp.</i>
955	<i>Cryptobacterium sp.</i>	1013	<i>Desulfobacca acetoxidans</i>
956	<i>Cucumibacter marinus</i>	1014	<i>Desulfobacter curvatus</i>
957	<i>Cucumis melo</i>	1015	<i>Desulfobacter postgatei</i>
958	<i>Cucumis sativus</i>	1016	<i>Desulfobacterium anilini</i>
959	<i>Culex pipiens</i>	1017	<i>Desulfobacterium autotrophicum</i>
960	<i>Cupriavidus metallidurans</i>	1018	<i>Desulfobacula toluolica</i>
961	<i>Cupriavidus necator</i>	1019	<i>Desulfobulbus elongatus</i>
962	<i>Cupriavidus sp.</i>	1020	<i>Desulfobulbus japonicus</i>
963	<i>Cupriavidus taiwanensis</i>	1021	<i>Desulfobulbus mediterraneus</i>
964	<i>Curtobacterium flaccumfaciens</i>	1022	<i>Desulfobulbus propionicus</i>
965	<i>Curtobacterium sp.</i>	1023	<i>Desulfocapsa sulfexigens</i>
966	<i>Curvibacter gracilis</i>	1024	<i>Desulfococcus oleovorans</i>
967	<i>Curvibacter lanceolatus</i>	1025	<i>Desulfocurvus vexinensis</i>
968	<i>Cyanobacterium PCC</i>	1026	<i>Desulfohalobium retbaense</i>
969	<i>Cyanobium gracile</i>	1027	<i>Desulfomicrobium baculatum</i>
970	<i>Cyanobium sp.</i>	1028	<i>Desulfomicrobium escambiense</i>
971	<i>Cyanothece sp.</i>	1029	<i>Desulfomonile tiedjei</i>
972	<i>Cynoglossus semilaevis</i>	1030	<i>Desulfonatronovibrio hydrogenovorans</i>
973	<i>Cyphellophora europaea</i>	1031	<i>Desulfonatronum lacustre</i>
974	<i>Cytophaga aurantiaca</i>	1032	<i>Desulfonatronum thiodismutans</i>
975	<i>Cytophaga hutchinsonii</i>	1033	<i>Desulfonauticus sp.</i>
976	<i>Cytophagaceae bacterium</i>	1034	<i>Desulforegula conservatrix</i>
977	<i>Cytophagales bacterium</i>	1035	<i>Desulfosarcina sp.</i>
978	<i>Dactylococcopsis salina</i>	1036	<i>Desulfospira joergensenii</i>
979	<i>Danio rerio</i>	1037	<i>Desulfosporosinus acidiphilus</i>
980	<i>Dasania marina</i>	1038	<i>Desulfosporosinus meridiei</i>

1039	<i>Desulfosporosinus orientis</i>
1040	<i>Desulfosporosinus youngiae</i>
1041	<i>Desulfotalea psychrophila</i>
1042	<i>Desulfotignum balticum</i>
1043	<i>Desulfotomaculum acetoxidans</i>
1044	<i>Desulfotomaculum alcoholivorax</i>
1045	<i>Desulfotomaculum alkaliphilum</i>
1046	<i>Desulfotomaculum carboxydivorans</i>
1047	<i>Desulfotomaculum gibsoniae</i>
1048	<i>Desulfotomaculum intricatum</i>
1049	<i>Desulfotomaculum kuznetsovii</i>
1050	<i>Desulfotomaculum nigrificans</i>
1051	<i>Desulfotomaculum reducens</i>
1052	<i>Desulfotomaculum ruminis</i>
1053	<i>Desulfotomaculum thermocisternum</i>
1054	<i>Desulfovermiculus halophilus</i>
1055	<i>Desulfovibrio aespoeensis</i>
1056	<i>Desulfovibrio africanus</i>
1057	<i>Desulfovibrio alaskensis</i>
1058	<i>Desulfovibrio alcoholivorans</i>
1059	<i>Desulfovibrio aminophilus</i>
1060	<i>Desulfovibrio bastinii</i>
1061	<i>Desulfovibrio cf,</i>
1062	<i>Desulfovibrio cuneatus</i>
1063	<i>Desulfovibrio frigidus</i>
1064	<i>Desulfovibrio gigas</i>
1065	<i>Desulfovibrio hydrothermalis</i>
1066	<i>Desulfovibrio inopinatus</i>
1067	<i>Desulfovibrio intestinalis</i>
1068	<i>Desulfovibrio lacusfryxellense</i>
1069	<i>Desulfovibrio longus</i>
1070	<i>Desulfovibrio magneticus</i>
1071	<i>Desulfovibrio oxyclineae</i>
1072	<i>Desulfovibrio piezophilus</i>
1073	<i>Desulfovibrio piger</i>
1074	<i>Desulfovibrio putealis</i>
1075	<i>Desulfovibrio salexigens</i>
1076	<i>Desulfovibrio simplex</i>
1077	<i>Desulfovibrio sp,</i>
1078	<i>Desulfovibrio vulgaris</i>
1079	<i>Desulfoviregula thermocuniculi</i>
1080	<i>Desulfurispirillum indicum</i>
1081	<i>Desulfurispora thermophila</i>
1082	<i>Desulfurivibrio alkaliphilus</i>
1083	<i>Desulfurobacterium sp,</i>
1084	<i>Desulfuromonas sp,</i>
1085	<i>Dialister invisus</i>
1086	<i>Dialister micraerophilus</i>
1087	<i>Dialister propionicifaciens</i>
1088	<i>Dialister sp,</i>
1089	<i>Dialister succinatiphilus</i>
1090	<i>Diaphorina citri</i>
1091	<i>Dichomitus squalens</i>
1092	<i>Dickeya chrysanthemi</i>
1093	<i>Dickeya dadantii</i>
1094	<i>Dickeya dianthicola</i>
1095	<i>Dickeya paradisiaca</i>
1096	<i>Dickeya zeae</i>

1097	<i>Dictyoglopus thermophilum</i>
1098	<i>Dictyoglopus turgidum</i>
1099	<i>Dictyostelium discoideum</i>
1100	<i>Dictyostelium fasciculatum</i>
1101	<i>Dictyostelium purpureum</i>
1102	<i>Dielma fastidiosa</i>
1103	<i>Dietzia alimentaria</i>
1104	<i>Dietzia sp,</i>
1105	<i>Diplorickettsia massiliensis</i>
1106	<i>Dolichospermum circinale</i>
1107	<i>Donghicola xiamenensis</i>
1108	<i>Dongia sp,</i>
1109	<i>Dorea sp,</i>
1110	<i>Drosophila ananassae</i>
1111	<i>Drosophila erecta</i>
1112	<i>Drosophila grimshawi</i>
1113	<i>Drosophila melanogaster</i>
1114	<i>Drosophila mojavensis</i>
1115	<i>Drosophila persimilis</i>
1116	<i>Drosophila pseudoobscura</i>
1117	<i>Drosophila sechellia</i>
1118	<i>Drosophila simulans</i>
1119	<i>Drosophila virilis</i>
1120	<i>Drosophila willistoni</i>
1121	<i>Drosophila yakuba</i>
1122	<i>Duganella zoogloeoides</i>
1123	<i>Dyadobacter alkalitolerans</i>
1124	<i>Dyadobacter beijingensis</i>
1125	<i>Dyadobacter crusticola</i>
1126	<i>Dyadobacter fermentans</i>
1127	<i>Dyadobacter tibetensis</i>
1128	<i>Dyella ginsengisoli</i>
1129	<i>Dyella japonica</i>
1130	<i>Dysgonomonas capnocytophagoides</i>
1131	<i>Dysgonomonas gadei</i>
1132	<i>Echinicola vietnamensis</i>
1133	<i>Echinops telfairi</i>
1134	<i>Edwardsiella hoshinae</i>
1135	<i>Edwardsiella ictaluri</i>
1136	<i>Edwardsiella tarda</i>
1137	<i>Eggerthella sinensis</i>
1138	<i>Eggerthella sp,</i>
1139	<i>Eggerthia catenaformis</i>
1140	<i>Eikenella corrodens</i>
1141	<i>Elephantulus edwardii</i>
1142	<i>Elioraea tepidiphila</i>
1143	<i>Elusimicrobium minutum</i>
1144	<i>Emiliana huxleyi</i>
1145	<i>Empedobacter brevis</i>
1146	<i>Emticicia oligotrophica</i>
1147	<i>Endozoicomonas elysicola</i>
1148	<i>Ensifer adhaerens</i>
1149	<i>Ensifer sp,</i>
1150	<i>Entamoeba dispar</i>
1151	<i>Entamoeba histolytica</i>
1152	<i>Entamoeba invadens</i>
1153	<i>Enterobacter aerogenes</i>
1154	<i>Enterobacter asburiae</i>

1155	<i>Enterobacter cancerogenus</i>
1156	<i>Enterobacter cloacae</i>
1157	<i>Enterobacter hormaechei</i>
1158	<i>Enterobacter radicincitans</i>
1159	<i>Enterobacter</i> sp,
1160	<i>Enterobacteria</i> phage
1161	<i>Enterobacteriaceae</i> bacterium
1162	<i>Enterocytozoon bienewisi</i>
1163	<i>Enterorhabdus caecimuris</i>
1164	<i>Enterorhabdus mucosicola</i>
1165	<i>Enterovibrio calviensis</i>
1166	<i>Enterovibrio norvegicus</i>
1167	<i>Entomoplasma lucivorax</i>
1168	<i>Entomoplasma luminosum</i>
1169	<i>Entomoplasma melaleucaae</i>
1170	<i>Eogystia hippophaecolus</i>
1171	<i>Epilithonimonas tenax</i>
1172	<i>Eptesicus fuscus</i>
1173	<i>Epulopiscium</i> sp,
1174	<i>Equus caballus</i>
1175	<i>Equus przewalskii</i>
1176	<i>Eremococcus coleocola</i>
1177	<i>Erinaceus europaeus</i>
1178	<i>Erwinia amylovora</i>
1179	<i>Erwinia billingiae</i>
1180	<i>Erwinia pyrifoliae</i>
1181	<i>Erwinia</i> sp,
1182	<i>Erwinia tasmaniensis</i>
1183	<i>Erwinia toletana</i>
1184	<i>Erwinia tracheiphila</i>
1185	<i>Erysipelothrix rhusiopathiae</i>
1186	<i>Erysipelothrix tonsillarum</i>
1187	<i>Erysipelotrichaceae</i> bacterium
1188	<i>Erythrobacter litoralis</i>
1189	<i>Erythrobacter</i> sp,
1190	<i>Escherichia albertii</i>
1191	<i>Escherichia blattae</i>
1192	<i>Escherichia fergusonii</i>
1193	<i>Escherichia</i> sp,
1194	<i>Eubacteriaceae</i> bacterium
1195	<i>Eubacterium bifforme</i>
1196	<i>Eubacterium brachy</i>
1197	<i>Eubacterium cellulosolvans</i>
1198	<i>Eubacterium coprostanoligenes</i>
1199	<i>Eubacterium cylindroides</i>
1200	<i>Eubacterium desmolans</i>
1201	<i>Eubacterium dolichum</i>
1202	<i>Eubacterium infirmum</i>
1203	<i>Eubacterium limosum</i>
1204	<i>Eubacterium oxidoreducens</i>
1205	<i>Eubacterium plexicaudatum</i>
1206	<i>Eubacterium pyruvativorans</i>
1207	<i>Eubacterium ramulus</i>
1208	<i>Eubacterium ruminantium</i>
1209	<i>Eubacterium saburreum</i>
1210	<i>Eubacterium saphenum</i>
1211	<i>Eubacterium</i> sp,
1212	<i>Eubacterium uniforme</i>

1213	<i>Eubacterium xylanophilum</i>
1214	<i>Eubacterium yurii</i>
1215	<i>Euryarchaeote</i> SCGC
1216	<i>Eutrema salsugineum</i>
1217	<i>Eutypa lata</i>
1218	<i>Exiguobacterium acetylicum</i>
1219	<i>Exiguobacterium antarcticum</i>
1220	<i>Exiguobacterium aurantiacum</i>
1221	<i>Exiguobacterium marinum</i>
1222	<i>Exiguobacterium oxidotolerans</i>
1223	<i>Exiguobacterium pavilionensis</i>
1224	<i>Exiguobacterium sibiricum</i>
1225	<i>Exiguobacterium</i> sp,
1226	<i>Exiguobacterium undae</i>
1227	<i>Exophiala dermatitidis</i>
1228	<i>Facklamia hominis</i>
1229	<i>Facklamia ignava</i>
1230	<i>Facklamia languida</i>
1231	<i>Facklamia sourekii</i>
1232	<i>Falco cherrug</i>
1233	<i>Falco peregrinus</i>
1234	<i>Fangia hongkongensis</i>
1235	<i>Felis catus</i>
1236	<i>Ferrimonas balearica</i>
1237	<i>Ferrimonas futtsuensis</i>
1238	<i>Ferrimonas kyonanensis</i>
1239	<i>Ferrimonas senticii</i>
1240	<i>Ferrovum myxofaciens</i>
1241	<i>Fervidicella metallireducens</i>
1242	<i>Fibrella aestuarina</i>
1243	<i>Fibrobacter succinogenes</i>
1244	<i>Ficedula albicollis</i>
1245	<i>Fictibacillus phosphorivorans</i>
1246	<i>Filamentous cyanobacterium</i>
1247	<i>Filifactor alocis</i>
1248	<i>Filifactor villosus</i>
1249	<i>Finegoldia magna</i>
1250	<i>Firmicutes</i> bacterium
1251	<i>Fischerella</i> sp,
1252	<i>Flavobacteria</i> bacterium
1253	<i>Flavobacterium branchiophilum</i>
1254	<i>Flavobacterium daejeonense</i>
1255	<i>Flavobacterium johnsoniae</i>
1256	<i>Flavobacterium soli</i>
1257	<i>Flavobacterium</i> sp,
1258	<i>Flavobacterium subsaxonicum</i>
1259	<i>Flavobacterium tegetincola</i>
1260	<i>Flavonifractor plautii</i>
1261	<i>Flectobacillus major</i>
1262	<i>Flexibacter elegans</i>
1263	<i>Flexibacter litoralis</i>
1264	<i>Flexistipes sinuarabici</i>
1265	<i>Flexithrix dorotheae</i>
1266	<i>Fluviicola taffensis</i>
1267	<i>Fodinicurvata fenggangensis</i>
1268	<i>Fodinicurvata sediminis</i>
1269	<i>Fragaria vesca</i>
1270	<i>Fragaria virginiana</i>

1271	Francisella sp,	1329	Geobacter sp,
1272	Frankia alni	1330	Geobacter sulfurreducens
1273	Frankia sp,	1331	Geobacter uraniireducens
1274	Frankia symbiont	1332	Geodermatophilaceae bacterium
1275	Frateuria aurantia	1333	Geodermatophilus obscurus
1276	Fulvimarina pelagi	1334	Geopsychrobacter electrophilus
1277	Fusibacter paucivorans	1335	Georgenia ruanii
1278	Fusibacter tunisiensis	1336	Geospiza fortis
1279	Fusicatenibacter saccharivorans	1337	Geothrix fermentans
1280	Fusobacterium gonidiaformans	1338	Geovibrio sp,
1281	Fusobacterium mortiferum	1339	Gibberella zeae
1282	Fusobacterium naviforme	1340	Gillisia limnaea
1283	Fusobacterium necrophorum	1341	Gilvimarinus chinensis
1284	Fusobacterium nucleatum	1342	Glaciecola nitratireducens
1285	Fusobacterium perfoetens	1343	Glaciecola pallidula
1286	Fusobacterium periodonticum	1344	Glaciecola sp,
1287	Fusobacterium russii	1345	Glaciibacter superstes
1288	Fusobacterium sp,	1346	Gloeobacter kilaeuensis
1289	Fusobacterium ulcerans	1347	Gloeobacter violaceus
1290	Fusobacterium varium	1348	Gloeocapsa sp,
1291	Gaetbulibacter saemankumensis	1349	Gloeophyllum trabeum
1292	Gaeumannomyces graminis	1350	Gluconacetobacter diazotrophicus
1293	Galdieria sulphuraria	1351	Gluconacetobacter europaeus
1294	Galeopterus variegatus	1352	Gluconacetobacter hansenii
1295	Gallibacterium anatis	1353	Gluconacetobacter oboediens
1296	Gallionella sp,	1354	Gluconacetobacter sp,
1297	Gallus gallus	1355	Gluconacetobacter xylinus
1298	Gamma proteobacterium	1356	Gluconobacter oxydans
1299	gamma proteobacterium	1357	Glycine max
1300	Gardnerella vaginalis	1358	Glycomyces arizonensis
1301	Geitlerinema sp,	1359	Glycomyces sp,
1302	Gelidibacter mesophilus	1360	Glycomyces tenuis
1303	Gemella bergeriae	1361	Gordonia amicalis
1304	Gemella cuniculi	1362	Gordonia bronchialis
1305	Gemella haemolysans	1363	Gordonia kroppenstedtii
1306	Gemella moribillum	1364	Gordonia polyisoprenivorans
1307	Gemella sanguinis	1365	Gordonia shandongensis
1308	Geminococcus roseus	1366	Gordonia sp,
1309	Geminocystis herdmanii	1367	Gorilla gorilla
1310	Gemmata obscuriglobus	1368	Gracilibacillus lacisalsi
1311	Gemmatimonadetes bacterium	1369	Gracilibacter thermotolerans
1312	Gemmatimonas aurantiaca	1370	Gracilimonas tropica
1313	Gemmatimonas sp,	1371	Gramella forsetii
1314	Gemmiger formicilis	1372	Granulibacter bethesdensis
1315	Gemmobacter nectarophilus	1373	Granulicatella adiacens
1316	Geobacillus caldxylosilyticus	1374	Granulicella mallensis
1317	Geobacillus sp,	1375	Granulicella tundricola
1318	Geobacillus thermocatenulatus	1376	Granulicoccus phenolivorans
1319	Geobacillus thermodenitrificans	1377	Gryllotalpicola ginsengisoli
1320	Geobacillus thermoglucosidans	1378	Haemophilus aegyptius
1321	Geobacillus thermoleovorans	1379	Haemophilus influenzae
1322	Geobacillus vulcani	1380	Haemophilus parasuis
1323	Geobacter bemidjensis	1381	Haemophilus somnus
1324	Geobacter bremensis	1382	Haemophilus sp,
1325	Geobacter daltonii	1383	Hafnia alvei
1326	Geobacter lovleyi	1384	Hahella chejuensis
1327	Geobacter metallireducens	1385	Hahella ganghwensis
1328	Geobacter psychrophilus	1386	Haladaptatus paucihalophilus

1387	Halalkalicoccus jeotgali
1388	Halanaerobium hydrogeniformans
1389	Halanaerobium praevalens
1390	Haliangium ochraceum
1391	Haliea salexigens
1392	Hallella seregens
1393	Haloarcula hispanica
1394	Haloarcula marismortui
1395	Halobacillus halophilus
1396	Halobacillus kuroshimensis
1397	Halobacterium salinarum
1398	Halobacteroides halobius
1399	Halobiforma lacisalsi
1400	Halococcus hamelinensis
1401	Haloferax mediterranei
1402	Haloferax volcanii
1403	Halogeometricum borinquense
1404	Haloglycomyces albus
1405	Halomicrobium katesii
1406	Halomicrobium mukohataei
1407	Halomonas anticariensis
1408	Halomonas boliviensis
1409	Halomonas elongata
1410	Halomonas halodenitrificans
1411	Halomonas jeotgali
1412	Halomonas lutea
1413	Halomonas smyrnensis
1414	Halomonas sp,
1415	Halomonas stevensii
1416	Halomonas zhanjiangensis
1417	Halomonas zincidurans
1418	Halonatronum saccharophilum
1419	Halopiger xanaduensis
1420	Halorhabdus tiamatea
1421	Halorhabdus utahensis
1422	Halorhodospira halochloris
1423	Halorhodospira halophila
1424	Halorubrum lacusprofundi
1425	Halorubrum sp,
1426	Halotalea alkalilenta
1427	Haloterrigena turkmenica
1428	Halothermothrix orenii
1429	Halothiobacillus neapolitanus
1430	Hamadaea tsunoensis
1431	Hammondia hammondi
1432	Haplochromis burtoni
1433	Helcococcus kunzii
1434	Helcococcus sueciensis
1435	Helicobacter bilis
1436	Helicobacter bizzozeronii
1437	Helicobacter canadensis
1438	Helicobacter cetorum
1439	Helicobacter felis
1440	Helicobacter hepaticus
1441	Helicobacter pullorum
1442	Helicobacter pylori
1443	Helicobacter rodentium
1444	Heliobacterium modesticaldum

1445	Helobdella robusta
1446	Henriciella marina
1447	Herbaspirillum lusitanum
1448	Herbaspirillum massiliense
1449	Herbaspirillum rubrisubalbicans
1450	Herbaspirillum seropedicae
1451	Herbidospora cretacea
1452	Herminiimonas arsenicoxydans
1453	Herminiimonas sp,
1454	Herpetosiphon aurantiacus
1455	Hespellia porcina
1456	Hespellia stercorisuis
1457	Heterocephalus glaber
1458	Hippea alviniae
1459	Hippea sp,
1460	Hoeflea phototrophica
1461	Hoeflea sp,
1462	Holdmania massiliensis
1463	Holophaga foetida
1464	Homo sapiens
1465	Howardella ureilytica
1466	Humibacter albus
1467	Hydra magnipapillata
1468	Hydrogenoanaerobacterium saccharovorans
1469	Hydrogenobacter thermophilus
1470	Hydrogenobaculum sp,
1471	Hymenobacter aerophilus
1472	Hymenobacter norwichensis
1473	Hyphomicrobium denitrificans
1474	Hyphomicrobium nitrativorans
1475	Hyphomicrobium sp,
1476	Hyphomicrobium zavarzinii
1477	Hyphomonas neptunium
1478	Ichthyophthirius multifiliis
1479	Ideonella sp,
1480	Idiomarina baltica
1481	Idiomarina loihiensis
1482	Idiomarina sediminum
1483	Ignavibacterium album
1484	Ilyobacter polytropus
1485	Inquilinus limosus
1486	Intestinimonas butyriciproducens
1487	Intrasporangiaceae bacterium
1488	Isoptericola variabilis
1489	Isosphaera pallida
1490	Ixodes scapularis
1491	Jaculus jaculus
1492	Janibacter sp,
1493	Jannaschia sp,
1494	Janthinobacterium lividum
1495	Janthinobacterium sp,
1496	Jeotgalicoccus psychrophilus
1497	Jiangella gansuensis
1498	Johnsonella ignava
1499	Jonquetella anthropi
1500	Kaistia adipata
1501	Kaistia granuli
1502	Kamptonema formosum

1503	<i>Kandleria vitulina</i>	1561	<i>Lactobacillus hayakitensis</i>
1504	<i>Kangiella koreensis</i>	1562	<i>Lactobacillus helveticus</i>
1505	<i>Kazachstania africana</i>	1563	<i>Lactobacillus hilgardii</i>
1506	<i>Ketogulonigenium vulgarum</i>	1564	<i>Lactobacillus iners</i>
1507	<i>Kineococcus radiotolerans</i>	1565	<i>Lactobacillus johnsonii</i>
1508	<i>Kingella denitrificans</i>	1566	<i>Lactobacillus malefermentans</i>
1509	<i>Kingella kingae</i>	1567	<i>Lactobacillus namurensis</i>
1510	<i>Kingella oralis</i>	1568	<i>Lactobacillus nodensis</i>
1511	<i>Kitasatospora setae</i>	1569	<i>Lactobacillus paracasei</i>
1512	<i>Kitasatospora</i> sp,	1570	<i>Lactobacillus parafarraginis</i>
1513	<i>Klebsiella oxytoca</i>	1571	<i>Lactobacillus paralimentarius</i>
1514	<i>Klebsiella pneumoniae</i>	1572	<i>Lactobacillus plantarum</i>
1515	<i>Klebsiella</i> sp,	1573	<i>Lactobacillus pobuzihii</i>
1516	<i>Kocuria atrinae</i>	1574	<i>Lactobacillus reuteri</i>
1517	<i>Kocuria rhizophila</i>	1575	<i>Lactobacillus rhamnosus</i>
1518	<i>Kocuria</i> sp,	1576	<i>Lactobacillus rogosae</i>
1519	<i>Kordia algicida</i>	1577	<i>Lactobacillus rossiae</i>
1520	<i>Kordiimonas gwangyangensis</i>	1578	<i>Lactobacillus ruminis</i>
1521	<i>Kosmotoga olearia</i>	1579	<i>Lactobacillus saerimmeri</i>
1522	<i>Kozakia baliensis</i>	1580	<i>Lactobacillus sakei</i>
1523	<i>Kribbella catacumbae</i>	1581	<i>Lactobacillus salivarius</i>
1524	<i>Kribbella flavida</i>	1582	<i>Lactobacillus sanfranciscensis</i>
1525	<i>Krokinobacter</i> sp,	1583	<i>Lactobacillus shenzhenensis</i>
1526	<i>Kurthia huakuui</i>	1584	<i>Lactobacillus</i> sp,
1527	<i>Kurthia massiliensis</i>	1585	<i>Lactobacillus ultunensis</i>
1528	<i>Kushneria aurantia</i>	1586	<i>Lactobacillus vini</i>
1529	<i>Kutzneria albida</i>	1587	<i>Lactobacillus zeae</i>
1530	<i>Kyrpidia tusciae</i>	1588	<i>Lactococcus garvieae</i>
1531	<i>Kytococcus sedentarius</i>	1589	<i>Lactococcus phage</i>
1532	<i>Labrenzia alexandrii</i>	1590	<i>Lactococcus raffinolactis</i>
1533	<i>Labrenzia</i> sp,	1591	<i>Lactonifactor longoviformis</i>
1534	<i>Laccaria bicolor</i>	1592	<i>Lamprocystis purpurea</i>
1535	<i>Laceyella sacchari</i>	1593	<i>Laribacter hongkongensis</i>
1536	<i>Lachnobacterium bovis</i>	1594	<i>Latescibacteria bacterium</i>
1537	<i>Lachnoclostridium phytofermentans</i>	1595	<i>Latimeria chalumnoae</i>
1538	<i>Lachnospira multipara</i>	1596	<i>Lautropia mirabilis</i>
1539	<i>Lachnospiraceae bacterium</i>	1597	<i>Lawsonia intracellularis</i>
1540	<i>Lachnospiraceae oral</i>	1598	<i>Leadbetterella byssophila</i>
1541	<i>Lacticingenium naphtae</i>	1599	<i>Lechevalieria aerocolonigenes</i>
1542	<i>Lactobacillus acidipiscis</i>	1600	<i>Leeia oryzae</i>
1543	<i>Lactobacillus acidophilus</i>	1601	<i>Leeuwenhoekiiella blandensis</i>
1544	<i>Lactobacillus amylovorus</i>	1602	<i>Leeuwenhoekiiella</i> sp,
1545	<i>Lactobacillus animalis</i>	1603	<i>Legionella geestiana</i>
1546	<i>Lactobacillus antri</i>	1604	<i>Legionella longbeachae</i>
1547	<i>Lactobacillus apodemi</i>	1605	<i>Legionella pneumophila</i>
1548	<i>Lactobacillus brevis</i>	1606	<i>Legionella sainthelensi</i>
1549	<i>Lactobacillus buchneri</i>	1607	<i>Legionella wadsworthii</i>
1550	<i>Lactobacillus casei</i>	1608	<i>Leifsonia aquatica</i>
1551	<i>Lactobacillus coleohominis</i>	1609	<i>Leifsonia</i> sp,
1552	<i>Lactobacillus coryniformis</i>	1610	<i>Leifsonia xyli</i>
1553	<i>Lactobacillus delbrueckii</i>	1611	<i>Leishmania braziliensis</i>
1554	<i>Lactobacillus equi</i>	1612	<i>Leishmania donovani</i>
1555	<i>Lactobacillus fabifermentans</i>	1613	<i>Leishmania infantum</i>
1556	<i>Lactobacillus farciminis</i>	1614	<i>Leishmania major</i>
1557	<i>Lactobacillus fermentum</i>	1615	<i>Leishmania mexicana</i>
1558	<i>Lactobacillus fuchuensis</i>	1616	<i>Leisingera aquimarina</i>
1559	<i>Lactobacillus gallinarum</i>	1617	<i>Leisingera methylohalidivorans</i>
1560	<i>Lactobacillus harbinensis</i>	1618	<i>Leisingera nanhaiensis</i>

1619	<i>Leminorella grimontii</i>
1620	<i>Lentibacillus jeotgali</i>
1621	<i>Lentisphaerae bacterium</i>
1622	<i>Lentzea albidocapillata</i>
1623	<i>Lepisosteus oculatus</i>
1624	<i>Leptolyngbya</i> sp,
1625	<i>Leptonema illini</i>
1626	<i>Leptonychotes weddellii</i>
1627	<i>Leptosphaeria maculans</i>
1628	<i>Leptospira interrogans</i>
1629	<i>Leptospira licerasiae</i>
1630	<i>Leptospirillum ferriphilum</i>
1631	<i>Leptothrix cholodnii</i>
1632	<i>Leptothrix ochracea</i>
1633	<i>Leptotrichia buccalis</i>
1634	<i>Leptotrichia goodfellowii</i>
1635	<i>Leptotrichia hofstadii</i>
1636	<i>Leptotrichia shahii</i>
1637	<i>Leptotrichia</i> sp,
1638	<i>Leptotrichia trevisanii</i>
1639	<i>Leptotrichia wadei</i>
1640	<i>Leucobacter chromiirestans</i>
1641	<i>Leucobacter salsicius</i>
1642	<i>Leucobacter</i> sp,
1643	<i>Leuconostoc argentinum</i>
1644	<i>Leuconostoc citreum</i>
1645	<i>Leuconostoc fallax</i>
1646	<i>Leuconostoc gelidum</i>
1647	<i>Leuconostoc kimchii</i>
1648	<i>Leuconostoc lactis</i>
1649	<i>Leuconostoc phage</i>
1650	<i>Leucothrix mucor</i>
1651	<i>Lewinella cohaerens</i>
1652	<i>Lewinella persica</i>
1653	<i>Limnohabitans</i> sp,
1654	<i>Lipotes vexillifer</i>
1655	<i>Listeria innocua</i>
1656	<i>Listeria ivanovii</i>
1657	<i>Listeria monocytogenes</i>
1658	<i>Listeria welshimeri</i>
1659	<i>Lithodesmium undulatum</i>
1660	<i>Litorimonas taeanensis</i>
1661	<i>Loa loa</i>
1662	<i>Loktanella hongkongensis</i>
1663	<i>Loktanella vestfoldensis</i>
1664	<i>Longispora albida</i>
1665	<i>Lonsdalea quercina</i>
1666	<i>Lottia gigantea</i>
1667	<i>Loxodonta africana</i>
1668	<i>Luteimonas huabeiensis</i>
1669	<i>Luteimonas mephitis</i>
1670	<i>Luteimonas</i> sp,
1671	<i>Lyngbya majuscula</i>
1672	<i>Lysinibacillus boronitolerans</i>
1673	<i>Lysinibacillus fusiformis</i>
1674	<i>Lysinibacillus sphaericus</i>
1675	<i>Lysobacter antibioticus</i>
1676	<i>Lysobacter</i> sp,

1677	<i>Macaca fascicularis</i>
1678	<i>Macaca mulatta</i>
1679	<i>Macrocooccus caseolyticus</i>
1680	<i>Magnaporthe oryzae</i>
1681	<i>Magnetococcus marinus</i>
1682	<i>Magnetospirillum gryphiswaldense</i>
1683	<i>Magnetospirillum magneticum</i>
1684	<i>Mahella australiensis</i>
1685	<i>Malus</i> x
1686	<i>Manacus vitellinus</i>
1687	<i>Mannheimia granulomatis</i>
1688	<i>Mannheimia haemolytica</i>
1689	<i>Maribacter antarcticus</i>
1690	<i>Maribacter</i> sp,
1691	<i>Maricaulis maris</i>
1692	<i>Maricaulis</i> sp,
1693	marine actinobacterium
1694	marine gamma
1695	<i>Marinilabilia salmonicolor</i>
1696	<i>Marinimicrobia bacterium</i>
1697	<i>Marinimicrobium agarilyticum</i>
1698	<i>Marinimicrobium</i> sp,
1699	<i>Marinitoga piezophila</i>
1700	<i>Marinobacter adhaerens</i>
1701	<i>Marinobacter daepoensis</i>
1702	<i>Marinobacter lipolyticus</i>
1703	<i>Marinobacter nanhaiticus</i>
1704	<i>Marinobacter</i> sp,
1705	<i>Marinobacterium jannaschii</i>
1706	<i>Marinobacterium litorale</i>
1707	<i>Marinobacterium rhizophilum</i>
1708	<i>Marinococcus halotolerans</i>
1709	<i>Marinomonas mediterranea</i>
1710	<i>Marinomonas posidonica</i>
1711	<i>Marinomonas</i> sp,
1712	<i>Marinospirillum insulare</i>
1713	<i>Mariprofundus ferrooxydans</i>
1714	<i>Maritalea myrionectae</i>
1715	<i>Maritimibacter alkaliphilus</i>
1716	<i>Marivirga tractuosa</i>
1717	<i>Marmoricola aequoreus</i>
1718	<i>Marmoricola</i> sp,
1719	<i>Marssonina brunnea</i>
1720	<i>Martelella mediterranea</i>
1721	<i>Martelella</i> sp,
1722	<i>Massilia alkalitolerans</i>
1723	<i>Massilia niastensis</i>
1724	<i>Massilia timonae</i>
1725	<i>Mastigocladopsis repens</i>
1726	<i>Mastigocoleus testarum</i>
1727	<i>Maylandia zebra</i>
1728	<i>Medicago truncatula</i>
1729	<i>Megachile rotundata</i>
1730	<i>Megamonas funiformis</i>
1731	<i>Megamonas hypermegale</i>
1732	<i>Meganema perideroedes</i>
1733	<i>Megasphaera elsdenii</i>
1734	<i>Megasphaera paucivorans</i>

1735	Megavirus lba
1736	Meiothermus cerbereus
1737	Meiothermus chliarophilus
1738	Meiothermus ruber
1739	Meiothermus rufus
1740	Meiothermus silvanus
1741	Meiothermus taiwanensis
1742	Meiothermus timidus
1743	Melampsora larici-populina
1744	Meleagris gallopavo
1745	Melioribacter roseus
1746	Melissococcus plutonius
1747	Melitea salexigens
1748	Melopsittacus undulatus
1749	Merops nubicus
1750	Mesocricetus auratus
1751	Mesoflavibacter zeaxanthinifaciens
1752	Mesoplasma chauliocola
1753	Mesoplasma grammopterae
1754	Mesoplasma lactucae
1755	Mesoplasma photuris
1756	Mesoplasma seiffertii
1757	Mesorhizobium australicum
1758	Mesorhizobium ciceri
1759	Mesorhizobium loti
1760	Mesorhizobium sp,
1761	Mesotoga prima
1762	Metarhizium anisopliae
1763	Metascardovia criceti
1764	Methanocaldococcus sp,
1765	Methanocaldococcus vulcanius
1766	Methanocella arvoryzae
1767	Methanocella paludicola
1768	Methanococcus maripaludis
1769	Methanocorpusculum labreanum
1770	Methanoculleus sp,
1771	Methanofollis liminatans
1772	Methanolobus psychrophilus
1773	Methanomassiliicoccus sp,
1774	Methanopyrus kandleri
1775	Methanoregula boonei
1776	Methanoregula formicicum
1777	Methanosaeta harundinacea
1778	Methanosalsum zhilinae
1779	Methanosarcina acetivorans
1780	Methanosphaera stadtmanae
1781	Methylacidiphilum inferorum
1782	Methylbium petroleiphilum
1783	Methylobacillus glycogenes
1784	Methylobacter luteus
1785	Methylobacter marinus
1786	Methylobacter tundripaludum
1787	Methylobacterium extorquens
1788	Methylobacterium nodulans
1789	Methylobacterium populi
1790	Methylobacterium sp,
1791	Methylodaldum szegediense
1792	Methylocella silvestris

1793	Methylococcus capsulatus
1794	Methylocystis parvus
1795	Methylocystis rosea
1796	Methylocystis sp,
1797	Methyloferula stellata
1798	Methylohalobius crimeensis
1799	Methyloligella solikamskensis
1800	Methylomarinum vadi
1801	Methylomicrobium agile
1802	Methylomicrobium alcaliphilum
1803	Methylomonas methanica
1804	Methylomonas sp,
1805	Methylophaga sp,
1806	Methylophilus methylotrophus
1807	Methylophilus sp,
1808	Methylopila sp,
1809	Methylosarcina fibrata
1810	Methylosarcina lacus
1811	Methylosinus sp,
1812	Methylosinus trichosporium
1813	Methylotenera mobilis
1814	Methylotenera sp,
1815	Methyloversatilis sp,
1816	Methyloversatilis universalis
1817	Methylovorus glucosetrophus
1818	Methylovorus sp,
1819	Methylovulum miyakonense
1820	Micavibrio aeruginosavorus
1821	Microbacterium barkeri
1822	Microbacterium gubbeenense
1823	Microbacterium luticocti
1824	Microbacterium maritypicum
1825	Microbacterium paraoxydans
1826	Microbacterium sp,
1827	Microbacterium yannicii
1828	Microbispora rosea
1829	Microbulbifer agarilyticus
1830	Microbulbifer variabilis
1831	Micrococcus luteus
1832	Microcoleus sp,
1833	Microcystis aeruginosa
1834	Microgenomates bacterium
1835	Microlunatus phosphovorus
1836	Micromonas pusilla
1837	Micromonas sp,
1838	Micromonospora chokoriensis
1839	Micromonospora globosa
1840	Micromonospora lupini
1841	Micromonospora parva
1842	Micromonospora purpureochromogenes
1843	Micromonospora sp,
1844	Microplitis demolitor
1845	Microtus ochrogaster
1846	Microvirga sp,
1847	Microvirgula aerodenitrificans
1848	Millerozyma farinosa
1849	Mitsuokella jalaludinii
1850	Mitsuokella sp,

1851	<i>Mobiluncus curtisii</i>	1909	<i>Myxococcus xanthus</i>
1852	<i>Mobiluncus mulieris</i>	1910	<i>Nafulsella turpanensis</i>
1853	<i>Modestobacter marinus</i> ,	1911	<i>Nakamurella lactea</i>
1854	<i>Mogibacterium diversum</i>	1912	<i>Nakamurella multipartita</i>
1855	<i>Mogibacterium neglectum</i>	1913	<i>Nannochloropsis gaditana</i>
1856	<i>Mogibacterium timidum</i>	1914	<i>Nannospalax galili</i>
1857	<i>Moniliophthora perniciosa</i>	1915	<i>Nasonia vitripennis</i>
1858	<i>Monodelphis domestica</i>	1916	<i>Natranaerovirga hydrolytica</i>
1859	<i>Monosiga brevicollis</i>	1917	<i>Natranaerovirga pectinivora</i>
1860	<i>Moorella thermoacetica</i>	1918	<i>Natrialba magadii</i>
1861	<i>Moraxella caprae</i>	1919	<i>Natrinema pellirubrum</i>
1862	<i>Morganella morgani</i>	1920	<i>Natronobacterium gregoryi</i>
1863	<i>Moritella dasanensis</i>	1921	<i>Natronococcus occultus</i>
1864	<i>Mucilaginicoccus paludis</i>	1922	<i>Naumovozyma castelii</i>
1865	<i>Mucispirillum schaedleri</i>	1923	<i>Nectria haematococca</i>
1866	<i>Muricauda ruestringensis</i>	1924	<i>Neisseria bacilliformis</i>
1867	<i>Mus musculus</i>	1925	<i>Neisseria gonorrhoeae</i>
1868	<i>Musca domestica</i>	1926	<i>Neisseria lactamica</i>
1869	<i>Mustela putorius</i>	1927	<i>Neisseria meningitidis</i>
1870	<i>Myceliophthora thermophila</i>	1928	<i>Neisseria mucosa</i>
1871	<i>Mycetocola saprophilus</i>	1929	<i>Neisseria shayegani</i>
1872	<i>Mycobacterium yongonense</i>	1930	<i>Neisseria sicca</i>
1873	<i>Mycoplasma bovis</i>	1931	<i>Neisseria sp,</i>
1874	<i>Mycoplasma capricolum</i>	1932	<i>Neisseria wadsworthii</i>
1875	<i>Mycoplasma cloacale</i>	1933	<i>Neofusicoccum parvum</i>
1876	<i>Mycoplasma columbinum</i>	1934	<i>Neolamprologus brichardi</i>
1877	<i>Mycoplasma cottewii</i>	1935	<i>Neosartorya fischeri</i>
1878	<i>Mycoplasma cricetuli</i>	1936	<i>Neptunomonas japonica</i>
1879	<i>Mycoplasma cynos</i>	1937	<i>Nesiotobacter exalbescens</i>
1880	<i>Mycoplasma elephantis</i>	1938	<i>Nesterenkonia alba</i>
1881	<i>Mycoplasma fermentans</i>	1939	<i>Nesterenkonia sp,</i>
1882	<i>Mycoplasma gallinarum</i>	1940	<i>Nevskia ramosa</i>
1883	<i>Mycoplasma gallisepticum</i>	1941	<i>Nevskia soli</i>
1884	<i>Mycoplasma glycophilum</i>	1942	<i>Niabella aurantiaca</i>
1885	<i>Mycoplasma hyorhinis</i>	1943	<i>Nisaea denitrificans</i>
1886	<i>Mycoplasma imitans</i>	1944	<i>Nitratifactor salsuginis</i>
1887	<i>Mycoplasma iners</i>	1945	<i>Nitratiruptor sp,</i>
1888	<i>Mycoplasma leachii</i>	1946	<i>Nitrobacter hamburgensis</i>
1889	<i>Mycoplasma leonicaptivi</i>	1947	<i>Nitrobacter winogradskyi</i>
1890	<i>Mycoplasma moatsii</i>	1948	<i>Nitrococcus mobilis</i>
1891	<i>Mycoplasma mobile</i>	1949	<i>Nitrosomonas cryotolerans</i>
1892	<i>Mycoplasma molare</i>	1950	<i>Nitrosomonas europaea</i>
1893	<i>Mycoplasma mycoides</i>	1951	<i>Nitrosomonas sp,</i>
1894	<i>Mycoplasma opalescens</i>	1952	<i>Nitrosospira briensis</i>
1895	<i>Mycoplasma orale</i>	1953	<i>Nitrosospira multiformis</i>
1896	<i>Mycoplasma ovipneumoniae</i>	1954	<i>Nitrospina gracilis</i>
1897	<i>Mycoplasma ovis</i>	1955	<i>Nitrospina sp,</i>
1898	<i>Mycoplasma pirum</i>	1956	<i>Nitrospirillum amazonense</i>
1899	<i>Mycoplasma pulmonis</i>	1957	<i>Nocardia brasiliensis</i>
1900	<i>Mycoplasma putrefaciens</i>	1958	<i>Nocardia cyriacigeorgica</i>
1901	<i>Mycoplasma sp,</i>	1959	<i>Nocardia farcinica</i>
1902	<i>Mycoplasma spumans</i>	1960	<i>Nocardia otitidiscaviarum</i>
1903	<i>Myotis brandtii</i>	1961	<i>Nocardia rhamnosiphila</i>
1904	<i>Myotis davidii</i>	1962	<i>Nocardia sp,</i>
1905	<i>Myotis lucifugus</i>	1963	<i>Nocardioideaceae bacterium</i>
1906	<i>Myroides injenensis</i>	1964	<i>Nocardioides alkalitolerans</i>
1907	<i>Myxococcus fulvus</i>	1965	<i>Nocardioides halotolerans</i>
1908	<i>Myxococcus stipitatus</i>	1966	<i>Nocardioides insulae</i>

1967	Nocardioides sp,
1968	Nocardiopsis alba
1969	Nocardiopsis alkaliphila
1970	Nocardiopsis baichengensis
1971	Nocardiopsis chromatogenes
1972	Nocardiopsis dassonvillei
1973	Nocardiopsis ganjiahuensis
1974	Nocardiopsis gilva
1975	Nocardiopsis halophila
1976	Nocardiopsis halotolerans
1977	Nocardiopsis kunsanensis
1978	Nocardiopsis lucentensis
1979	Nocardiopsis potens
1980	Nocardiopsis prasina
1981	Nocardiopsis salina
1982	Nocardiopsis sp,
1983	Nocardiopsis valliformis
1984	Nocardiopsis xinjiangensis
1985	Nodosilinea nodulosa
1986	Nomascus leucogenys
1987	Nonomuraea coxensis
1988	Nostoc punctiforme
1989	Nostoc sp,
1990	Novispirillum itersonii
1991	Novosphingobium acidiphilum
1992	Novosphingobium aromaticivorans
1993	Novosphingobium lindaniclasticum
1994	Novosphingobium nitrogenifigens
1995	Novosphingobium sp,
1996	Number of
1997	Oceanicaulis alexandrii
1998	Oceanicola batsensis
1999	Oceanicola granulosis
2000	Oceanicola nanhaiensis
2001	Oceanicola sp,
2002	Oceanimonas sp,
2003	Oceanithermus profundus
2004	Oceanobacillus iheyensis
2005	Oceanobacillus kimchii
2006	Oceanobacter kriegii
2007	Oceanobacter sp,
2008	Oceanospirillales bacterium
2009	Oceanospirillum beijerinckii
2010	Oceanospirillum sp,
2011	Ochotona princeps
2012	Ochrobactrum anthropi
2013	Ochrobactrum intermedium
2014	Ochrobactrum rhizosphaerae
2015	Ochrobactrum sp,
2016	Octadecabacter antarcticus
2017	Octadecabacter arcticus
2018	Octodon degus
2019	Odobenus rosmarus
2020	Odoribacter laneus
2021	Odoribacter sp,
2022	Oedogonium cardiacum
2023	Oenococcus kitaharae
2024	Oenococcus oeni

2025	Oerskovia turbata
2026	Olivibacter terrae
2027	Olleya marilimosa
2028	Olleya sp,
2029	Olsenella sp,
2030	Olsenella uli
2031	Onion yellows
2032	Opitutaceae bacterium
2033	Opitutus terrae
2034	Orcinus orca
2035	Orenia marismortui
2036	Oreochromis niloticus
2037	Oribacterium asaccharolyticum
2038	Oribacterium sinus
2039	Oribacterium sp,
2040	Ormithinibacillus scapharcae
2041	Ormithobacterium rhinotracheale
2042	Ornithorhynchus anatinus
2043	Orycteropus afer
2044	Oryctolagus cuniculus
2045	Oryza brachyantha
2046	Oryza sativa
2047	Oryzias latipes
2048	Oryzias melastigma
2049	Oscillatoria sp,
2050	Oscillatoriales cyanobacterium
2051	Oscillibacter ruminantium
2052	Oscillibacter sp,
2053	Oscillibacter valericigenes
2054	Oscillochloris trichoides
2055	Oscillospiraceae bacterium
2056	Ostreococcus lucimarinus
2057	Ostreococcus tauri
2058	Otolemur garnettii
2059	Ottowia thiooxydans
2060	Ovis aries
2061	Owenweeksia hongkongensis
2062	Oxalobacteraceae bacterium
2063	Oxobacter pfennigii
2064	Paenibacillus alginolyticus
2065	Paenibacillus assamensis
2066	Paenibacillus azotofixans
2067	Paenibacillus barengoltzii
2068	Paenibacillus daejeonensis
2069	Paenibacillus ehimensis
2070	Paenibacillus elgii
2071	Paenibacillus fonticola
2072	Paenibacillus forsythiae
2073	Paenibacillus ginsengihumi
2074	Paenibacillus graminis
2075	Paenibacillus harenae
2076	Paenibacillus jilunlii
2077	Paenibacillus larvae
2078	Paenibacillus massiliensis
2079	Paenibacillus mucilaginosus
2080	Paenibacillus panacisoli
2081	Paenibacillus pasadenensis
2082	Paenibacillus peoriae

2083	<i>Paenibacillus pinihumi</i>
2084	<i>Paenibacillus polymyxa</i>
2085	<i>Paenibacillus sanguinis</i>
2086	<i>Paenibacillus senegalensis</i>
2087	<i>Paenibacillus</i> sp,
2088	<i>Paenibacillus taiwanensis</i>
2089	<i>Paenibacillus terrae</i>
2090	<i>Paenibacillus terrigena</i>
2091	<i>Paenibacillus turicensis</i>
2092	<i>Paenibacillus zanthoxyli</i>
2093	<i>Paenisporosarcina</i> sp,
2094	<i>Paludibacter propionigenes</i>
2095	<i>Paludibacterium yongneupense</i>
2096	<i>Pan paniscus</i>
2097	<i>Pan troglodytes</i>
2098	<i>Pandoraea pnomenus</i>
2099	<i>Pandoraea</i> sp,
2100	<i>Pannonibacter phragmitetus</i>
2101	<i>Panthera tigris</i>
2102	<i>Pantholops hodgsonii</i>
2103	<i>Pantoea agglomerans</i>
2104	<i>Pantoea ananatis</i>
2105	<i>Pantoea dispersa</i>
2106	<i>Pantoea</i> sp,
2107	<i>Pantoea vagans</i>
2108	<i>Papillibacter cinnamivorans</i>
2109	<i>Papio anubis</i>
2110	<i>Paracoccidioides brasiliensis</i>
2111	<i>Paracoccus aminophilus</i>
2112	<i>Paracoccus denitrificans</i>
2113	<i>Paracoccus pantotrophus</i>
2114	<i>Paracoccus</i> sp,
2115	<i>Paracoccus yeai</i>
2116	<i>Paracoccus zeaxanthinifaciens</i>
2117	<i>Paramecium tetraurelia</i>
2118	<i>Paraoerskovia marina</i>
2119	<i>Paraprevotella clara</i>
2120	<i>Paraprevotella xylaniphila</i>
2121	<i>Parascardovia denticolens</i>
2122	<i>Parasporobacterium paucivorans</i>
2123	<i>Parasutterella excrementihominis</i>
2124	<i>Parcubacteria bacterium</i>
2125	<i>Parvibaculum lavamentivorans</i>
2126	<i>Parvimonas micra</i>
2127	<i>Parvularcula bermudensis</i>
2128	<i>Parvularcula oceani</i>
2129	<i>Pasteurella dagmatis</i>
2130	<i>Pasteurella pneumotropica</i>
2131	<i>Patulibacter americanus</i>
2132	<i>Patulibacter minatonensis</i>
2133	<i>Paucisalibacillus globulus</i>
2134	<i>Pectobacterium atrosepticum</i>
2135	<i>Pectobacterium carotovorum</i>
2136	<i>Pectobacterium</i> sp,
2137	<i>Pectobacterium wasabiae</i>
2138	<i>Pediculus humanus</i>
2139	<i>Pediococcus acidilactici</i>
2140	<i>Pediococcus clausenii</i>

2141	<i>Pediococcus pentosaceus</i>
2142	<i>Pedobacter borealis</i>
2143	<i>Pedobacter glucosidilyticus</i>
2144	<i>Pelagibaca bermudensis</i>
2145	<i>Pelagibacterium halotolerans</i>
2146	<i>Pelobacter carbinolicus</i>
2147	<i>Pelobacter propionicus</i>
2148	<i>Pelobacter seleniigenes</i>
2149	<i>Pelodictyon phaeoclathratiforme</i>
2150	<i>Pelodiscus sinensis</i>
2151	<i>Pelosinus</i> sp,
2152	<i>Pelospora glutarica</i>
2153	<i>Pelotomaculum thermopropionicum</i>
2154	<i>Penicillium chrysogenum</i>
2155	<i>Penicillium marneffeii</i>
2156	<i>Peptoclostridium difficile</i>
2157	<i>Peptostreptococcaceae bacterium</i>
2158	<i>Peptostreptococcus anaerobius</i>
2159	<i>Periwinkle leaf</i>
2160	<i>Perlucidibaca piscinae</i>
2161	<i>Peromyscus maniculatus</i>
2162	<i>Persephonella marina</i>
2163	<i>Persephonella</i> sp,
2164	<i>Pestalotiopsis fici</i>
2165	<i>Petrotoga mobilis</i>
2166	<i>Phaeobacter arcticus</i>
2167	<i>Phaeobacter caeruleus</i>
2168	<i>Phaeobacter daeponensis</i>
2169	<i>Phaeobacter gallaeciensis</i>
2170	<i>Phaeobacter inhibens</i>
2171	<i>Phaeocystis globosa</i>
2172	<i>Phaeosphaeria nodorum</i>
2173	<i>Phanerochaete carnos</i>
2174	<i>Phaseolus vulgaris</i>
2175	<i>Phenylobacterium zucineum</i>
2176	<i>Phocaeicola abscessus</i>
2177	<i>Phoenix dactylifera</i>
2178	<i>Photobacterium damsela</i>
2179	<i>Photobacterium halotolerans</i>
2180	<i>Phycococcus jejuensis</i>
2181	<i>Phycisphaera mikurensis</i>
2182	<i>Physcomitrella patens</i>
2183	<i>Physeter catodon</i>
2184	<i>Phytophthora infestans</i>
2185	<i>Pilimelia anulata</i>
2186	<i>Pirellula staleyii</i>
2187	<i>Planctomyces brasiliensis</i>
2188	<i>Planctomyces limnophilus</i>
2189	<i>Planktothrix agardhii</i>
2190	<i>Planktothrix prolifica</i>
2191	<i>Plasmodium berghei</i>
2192	<i>Plasmodium falciparum</i>
2193	<i>Plasmodium vinckei</i>
2194	<i>Plasmodium vivax</i>
2195	<i>Plasmodium yoelii</i>
2196	<i>Pleomorphomonas korensis</i>
2197	<i>Pleomorphomonas oryzae</i>
2198	<i>Plesiomonas shigelloides</i>

2199	<i>Pleurocapsa</i> sp,
2200	<i>Pleurozia</i> purpurea
2201	<i>Podospora</i> anserina
2202	<i>Poecilia</i> formosa
2203	<i>Poecilia</i> reticulata
2204	<i>Polaromonas</i> glacialis
2205	<i>Polaromonas</i> naphthalenivorans
2206	<i>Polaromonas</i> sp,
2207	<i>Polycycloporans</i> algicola
2208	<i>Polymorphum</i> gilvum
2209	<i>Polynucleobacter</i> necessarius
2210	<i>Pongo</i> abelii
2211	<i>Pontibacillus</i> halophilus
2212	<i>Pontibacillus</i> marinus
2213	<i>Pontibacter</i> actiniarum
2214	<i>Pontibacter</i> roseus
2215	<i>Ponticaulis</i> korensis
2216	<i>Populus</i> trichocarpa
2217	<i>Poribacteria</i> bacterium
2218	<i>Porphyrobacter</i> cryptus
2219	<i>Porphyrobacter</i> sp,
2220	<i>Porphyromonas</i> bennonis
2221	<i>Porphyromonas</i> cangingivalis
2222	<i>Porphyromonas</i> gingivalis
2223	<i>Porphyromonas</i> gingivicanis
2224	<i>Porphyromonas</i> levii
2225	<i>Porphyromonas</i> macacae
2226	<i>Porphyromonas</i> sp,
2227	<i>Postia</i> placenta
2228	<i>Prauserella</i> rugosa
2229	<i>Prevotella</i> albensis
2230	<i>Prevotella</i> amnii
2231	<i>Prevotella</i> aurantiaca
2232	<i>Prevotella</i> baroniae
2233	<i>Prevotella</i> bergensis
2234	<i>Prevotella</i> brevis
2235	<i>Prevotella</i> corporis
2236	<i>Prevotella</i> dentalis
2237	<i>Prevotella</i> dentasini
2238	<i>Prevotella</i> denticola
2239	<i>Prevotella</i> disiensi
2240	<i>Prevotella</i> enoeca
2241	<i>Prevotella</i> falsenii
2242	<i>Prevotella</i> fusca
2243	<i>Prevotella</i> intermedia
2244	<i>Prevotella</i> loescheii
2245	<i>Prevotella</i> maculosa
2246	<i>Prevotella</i> marshii
2247	<i>Prevotella</i> micans
2248	<i>Prevotella</i> multisaccharivorax
2249	<i>Prevotella</i> nanceiensis
2250	<i>Prevotella</i> nigrescens
2251	<i>Prevotella</i> oralis
2252	<i>Prevotella</i> oris
2253	<i>Prevotella</i> oulorum
2254	<i>Prevotella</i> paludivivens
2255	<i>Prevotella</i> pleuritidis
2256	<i>Prevotella</i> ruminicola

2257	<i>Prevotella</i> salivae
2258	<i>Prevotella</i> shahii
2259	<i>Prevotella</i> sp,
2260	<i>Prevotella</i> stercorea
2261	<i>Prevotella</i> tannerae
2262	<i>Prevotella</i> veroralis
2263	<i>Prochlorococcus</i> marinus
2264	<i>Prochlorococcus</i> sp,
2265	<i>Prochlorothrix</i> hollandica
2266	<i>Promicromonospora</i> sukumoe
2267	<i>Propionibacteriaceae</i> bacterium
2268	<i>Propionibacterium</i> acidifaciens
2269	<i>Propionibacterium</i> acidipropionici
2270	<i>Propionibacterium</i> acnes
2271	<i>Propionibacterium</i> freudenreichii
2272	<i>Propionibacterium</i> jensenii
2273	<i>Propionibacterium</i> propionicum
2274	<i>Propionibacterium</i> sp,
2275	<i>Propionibacterium</i> thoenii
2276	<i>Propionicicella</i> superfundia
2277	<i>Propionimicrobium</i> lymphophilum
2278	<i>Prosthecochloris</i> aestuarii
2279	<i>Proteiniclasticum</i> ruminis
2280	<i>Proteiniphilum</i> acetatigenes
2281	<i>Proteobacteria</i> bacterium
2282	<i>Proteocatella</i> sphenisci
2283	<i>Proteus</i> penneri
2284	<i>Providencia</i> alcalifaciens
2285	<i>Providencia</i> burhodogranariae
2286	<i>Providencia</i> stuartii
2287	<i>Prunus</i> mume
2288	<i>Prunus</i> persica
2289	<i>Pseudaminobacter</i> salicylatoxidans
2290	<i>Pseudanabaena</i> sp,
2291	<i>Pseudoalteromonas</i> atlantica
2292	<i>Pseudoalteromonas</i> haloplanktis
2293	<i>Pseudoalteromonas</i> sp,
2294	<i>Pseudobacteroides</i> cellulosolvans
2295	<i>Pseudobutyrvibrio</i> ruminis
2296	<i>Pseudobutyrvibrio</i> sp,
2297	<i>Pseudochrobactrum</i> sp,
2298	<i>Pseudoclavibacter</i> soli
2299	<i>Pseudoduganella</i> violaceinigra
2300	<i>Pseudogulbenkiania</i> ferrooxidans
2301	<i>Pseudogulbenkiania</i> sp,
2302	<i>Pseudonocardia</i> acaciae
2303	<i>Pseudonocardia</i> asaccharolytica
2304	<i>Pseudonocardia</i> dioxanivorans
2305	<i>Pseudonocardia</i> spinosipora
2306	<i>Pseudophaeobacter</i> arcticus
2307	<i>Pseudopodoces</i> humilis
2308	<i>Pseudoramibacter</i> alactolyticus
2309	<i>Pseudorhodobacter</i> ferrugineus
2310	<i>Pseudovibrio</i> sp,
2311	<i>Pseudoxanthomonas</i> sp,
2312	<i>Pseudoxanthomonas</i> spadix
2313	<i>Pseudoxanthomonas</i> suwonensis
2314	<i>Pseudozyma</i> flocculosa

2315	<i>Psychrilyobacter atlanticus</i>	2373	<i>Rhodoferax saidenbachensis</i>
2316	<i>Psychrobacter phenylpyruvicus</i>	2374	<i>Rhodomicrobium vanniellii</i>
2317	<i>Psychrobacter</i> sp,	2375	<i>Rhodomonas salina</i>
2318	<i>Psychromonas aquimarina</i>	2376	<i>Rhodonellum psychrophilum</i>
2319	<i>Psychromonas arctica</i>	2377	<i>Rhodopirellula baltica</i>
2320	<i>Psychromonas ingrahamii</i>	2378	<i>Rhodopseudomonas palustris</i>
2321	<i>Psychromonas ossibalaenae</i>	2379	<i>Rhodopseudomonas</i> sp,
2322	<i>Psychromonas</i> sp,	2380	<i>Rhodospirillales</i> bacterium
2323	<i>Psychroserpens burtonensis</i>	2381	<i>Rhodospirillum centenum</i>
2324	<i>Pteropus alecto</i>	2382	<i>Rhodospirillum photometricum</i>
2325	<i>Puccinia graminis</i>	2383	<i>Rhodospirillum rubrum</i>
2326	<i>Pundamilia nyererei</i>	2384	<i>Rhodothermus marinus</i>
2327	<i>Pusillimonas noertemannii</i>	2385	<i>Rhodovibrio salinarum</i>
2328	<i>Pusillimonas</i> sp,	2386	<i>Ricinus communis</i>
2329	<i>Pyramidobacter piscolens</i>	2387	<i>Rickettsia bellii</i>
2330	<i>Pyrobaculum oguniense</i>	2388	<i>Riemerella anatipestifer</i>
2331	<i>Pyropia haitanensis</i>	2389	<i>Rikenella microfusus</i>
2332	<i>Python bivittatus</i>	2390	<i>Rivularia</i> sp,
2333	<i>Rahnella aquatilis</i>	2391	<i>Robiginitalea biformata</i>
2334	<i>Ralstonia eutropha</i>	2392	<i>Robinsoniella</i> sp,
2335	<i>Ralstonia pickettii</i>	2393	<i>Romboutsia ilealis</i>
2336	<i>Ralstonia solanacearum</i>	2394	<i>Roseburia faecis</i>
2337	<i>Ralstonia</i> sp,	2395	<i>Roseburia hominis</i>
2338	<i>Ramlibacter tataouinensis</i>	2396	<i>Roseburia</i> sp,
2339	<i>Raoultella ornithinolytica</i>	2397	<i>Roseibium</i> sp,
2340	<i>Rathayibacter toxicus</i>	2398	<i>Roseiflexus castenholzii</i>
2341	<i>Rattus norvegicus</i>	2399	<i>Roseobacter denitrificans</i>
2342	<i>Renibacterium salmoninarum</i>	2400	<i>Roseobacter litoralis</i>
2343	<i>Rhazya stricta</i>	2401	<i>Roseobacter</i> sp,
2344	<i>Rheinheimera perlucida</i>	2402	<i>Roseomonas cervicalis</i>
2345	<i>Rheinheimera texasensis</i>	2403	<i>Roseomonas gilardii</i>
2346	<i>Rhizobium etli</i>	2404	<i>Roseomonas mucosa</i>
2347	<i>Rhizobium giardinii</i>	2405	<i>Roseomonas</i> sp,
2348	<i>Rhizobium larrymoorei</i>	2406	<i>Roseovarius nubinhibens</i>
2349	<i>Rhizobium leguminosarum</i>	2407	<i>Roseovarius</i> sp,
2350	<i>Rhizobium leucaenae</i>	2408	<i>Ruania albidiflava</i>
2351	<i>Rhizobium mesoamericanum</i>	2409	<i>Rubellimicrobium thermophilum</i>
2352	<i>Rhizobium mongolense</i>	2410	<i>Rubritalea tangerina</i>
2353	<i>Rhizobium phaseoli</i>	2411	<i>Rubritepida flocculans</i>
2354	<i>Rhizobium selenitireducens</i>	2412	<i>Rubrivivax benzoatilyticus</i>
2355	<i>Rhizobium</i> sp,	2413	<i>Rubrivivax gelatinosus</i>
2356	<i>Rhizobium sullae</i>	2414	<i>Rubroacter xylanophilus</i>
2357	<i>Rhizobium tropici</i>	2415	<i>Rudaea cellulositytica</i>
2358	<i>Rhizobium undicola</i>	2416	<i>Rudanella lutea</i>
2359	<i>Rhodanobacter</i> sp,	2417	<i>Ruegeria conchae</i>
2360	<i>Rhodobacter capsulatus</i>	2418	<i>Ruegeria pomeroyi</i>
2361	<i>Rhodobacter</i> sp,	2419	<i>Ruegeria</i> sp,
2362	<i>Rhodobacter sphaeroides</i>	2420	<i>Ruminobacter</i> sp,
2363	<i>Rhodobacteraceae</i> bacterium	2421	<i>Ruminococcaceae</i> bacterium
2364	<i>Rhodobacterales</i> bacterium	2422	<i>Ruminococcus callidus</i>
2365	<i>Rhodococcus erythropolis</i>	2423	<i>Ruminococcus champanellensis</i>
2366	<i>Rhodococcus jostii</i>	2424	<i>Ruminococcus faecis</i>
2367	<i>Rhodococcus opacus</i>	2425	<i>Ruminococcus flavefaciens</i>
2368	<i>Rhodococcus pyridinivorans</i>	2426	<i>Ruminococcus gouvreauii</i>
2369	<i>Rhodococcus rhodochrous</i>	2427	<i>Ruminococcus</i> sp,
2370	<i>Rhodococcus ruber</i>	2428	<i>Runella limosa</i>
2371	<i>Rhodococcus</i> sp,	2429	<i>Runella slithyformis</i>
2372	<i>Rhodoferax ferrireducens</i>	2430	<i>Runella zeae</i>

2431	<i>Saccharibacillus kuerlensis</i>	2489	<i>Serratia fonticola</i>
2432	<i>Saccharofermentans acetigenes</i>	2490	<i>Serratia liquefaciens</i>
2433	<i>Saccharomonospora azurea</i>	2491	<i>Serratia marcescens</i>
2434	<i>Saccharomonospora cyanea</i>	2492	<i>Serratia odorifera</i>
2435	<i>Saccharomonospora glauca</i>	2493	<i>Serratia plymuthica</i>
2436	<i>Saccharomonospora halophila</i>	2494	<i>Serratia proteamaculans</i>
2437	<i>Saccharomonospora marina</i>	2495	<i>Serratia</i> sp,
2438	<i>Saccharomonospora paurometabolica</i>	2496	<i>Setaria italica</i>
2439	<i>Saccharomonospora saliphila</i>	2497	<i>Shewanella amazonensis</i>
2440	<i>Saccharomonospora</i> sp,	2498	<i>Shewanella colwelliana</i>
2441	<i>Saccharomonospora xinjiangensis</i>	2499	<i>Shewanella fidelis</i>
2442	<i>Saccharomyces cerevisiae</i>	2500	<i>Shewanella loihica</i>
2443	<i>Saccharophagus degradans</i>	2501	<i>Shewanella marina</i>
2444	<i>Saccharopolyspora erythraea</i>	2502	<i>Shewanella putrefaciens</i>
2445	<i>Saccharopolyspora rectivirgula</i>	2503	<i>Shewanella sediminis</i>
2446	<i>Saccharopolyspora spinosa</i>	2504	<i>Shewanella woodyi</i>
2447	<i>Saccharospirillum impatiens</i>	2505	<i>Shigella dysenteriae</i>
2448	<i>Saccharothrix espanaensis</i>	2506	<i>Shigella flexneri</i>
2449	<i>Saccoglossus kowalevskii</i>	2507	<i>Shigella sonnei</i>
2450	<i>Saimiri boliviensis</i>	2508	<i>Shigella</i> sp,
2451	<i>Salana multivorans</i>	2509	<i>Shimazuella kribbensis</i>
2452	<i>Salimesophilobacter vulgaris</i>	2510	<i>Shinella</i> sp,
2453	<i>Salinarimonas rosea</i>	2511	<i>Shuttleworthia satelles</i>
2454	<i>Salinibacter ruber</i>	2512	<i>Sideroxydans lithotrophicus</i>
2455	<i>Salinicoccus albus</i>	2513	<i>Silanimonas lenta</i>
2456	<i>Salinicoccus carnicancri</i>	2514	<i>Silicibacter lacuscaerulensis</i>
2457	<i>Salinicoccus luteus</i>	2515	<i>Silicibacter</i> sp,
2458	<i>Salinimicrobium xinjiangense</i>	2516	<i>Simidua agarivorans</i>
2459	<i>Salinispora arenicola</i>	2517	<i>Simplicispira psychrophila</i>
2460	<i>Salinispora pacifica</i>	2518	<i>Singulisphaera acidiphila</i>
2461	<i>Salinispora tropica</i>	2519	<i>Sinobacter flavus</i>
2462	<i>Salipiger mucosus</i>	2520	<i>Sinorhizobium arboris</i>
2463	<i>Salisaeta longa</i>	2521	<i>Sinorhizobium fredii</i>
2464	<i>Salmonella enterica</i>	2522	<i>Sinorhizobium meliloti</i>
2465	<i>Salmonella</i> sp,	2523	<i>Smaragdicoccus niigatensis</i>
2466	<i>Salpingoeca</i> sp,	2524	<i>Sneathiella glossodoripedis</i>
2467	<i>Salsuginibacillus kocurii</i>	2525	<i>Sodalis glossinidius</i>
2468	<i>Sandarakinorhabdus limnophila</i>	2526	<i>Solanum lycopersicum</i>
2469	<i>Sandarakinorhabdus</i> sp,	2527	<i>Solanum tuberosum</i>
2470	<i>Sanguibacter keddieii</i>	2528	<i>Solibacillus silvestris</i>
2471	<i>Saprolegnia diclina</i>	2529	<i>Solimonas flava</i>
2472	SAR324 cluster	2530	<i>Solimonas soli</i>
2473	<i>Sarcophilus harrisii</i>	2531	<i>Solirubrobacter soli</i>
2474	<i>Saxeibacter lacteus</i>	2532	<i>Solirubrobacter</i> sp,
2475	<i>Scardovia inopinata</i>	2533	<i>Solirubrobacterales bacterium</i>
2476	<i>Scardovia wiggsiae</i>	2534	<i>Solitalea canadensis</i>
2477	<i>Schlesneria paludicola</i>	2535	<i>Sorangium cellulosum</i>
2478	<i>Sciscionella marina</i>	2536	<i>Sordaria macrospora</i>
2479	<i>Sciscionella</i> sp,	2537	<i>Sorex araneus</i>
2480	<i>Sclerotinia sclerotiorum</i>	2538	<i>Sorghum bicolor</i>
2481	<i>Sebaldella termitidis</i>	2539	<i>Spermophilus tridecemlineatus</i>
2482	<i>Sedimenticola selenatireducens</i>	2540	<i>Sphaerobacter thermophilus</i>
2483	<i>Sediminibacillus halophilus</i>	2541	<i>Sphaerochaeta pleomorpha</i>
2484	<i>Sediminibacterium salmoneum</i>	2542	<i>Sphingobacterium</i> sp,
2485	<i>Sediminibacterium</i> sp,	2543	<i>Sphingobacterium spiritivorum</i>
2486	<i>Sediminimonas qiaohouensis</i>	2544	<i>Sphingobium baderi</i>
2487	<i>Segniliparus rugosus</i>	2545	<i>Sphingobium chinhatense</i>
2488	<i>Serinus canaria</i>	2546	<i>Sphingobium chlorophenolicum</i>

2547	<i>Sphingobium lactosutens</i>
2548	<i>Sphingobium quisquiliarum</i>
2549	<i>Sphingobium</i> sp,
2550	<i>Sphingobium ummariense</i>
2551	<i>Sphingobium xenophagum</i>
2552	<i>Sphingobium yanoikuyae</i>
2553	<i>Sphingomonas astaxanthinifaciens</i>
2554	<i>Sphingomonas echinoides</i>
2555	<i>Sphingomonas elodea</i>
2556	<i>Sphingomonas melonis</i>
2557	<i>Sphingomonas phyllosphaerae</i>
2558	<i>Sphingomonas</i> sp,
2559	<i>Sphingomonas wittichii</i>
2560	<i>Sphingomonas</i> -like bacterium
2561	<i>Sphingopyxis alaskensis</i>
2562	<i>Spiribacter</i> sp,
2563	<i>Spirillospora albida</i>
2564	<i>Spirochaeta africana</i>
2565	<i>Spirochaeta alkalica</i>
2566	<i>Spirochaeta caldaria</i>
2567	<i>Spirochaeta cellobiosiphila</i>
2568	<i>Spirochaeta coccoides</i>
2569	<i>Spirochaeta smaragdinae</i>
2570	<i>Spirochaeta</i> sp,
2571	<i>Spirochaeta thermophila</i>
2572	<i>Spiroplasma apis</i>
2573	<i>Spiroplasma chrysopicola</i>
2574	<i>Spiroplasma culicicola</i>
2575	<i>Spiroplasma diminutum</i>
2576	<i>Spiroplasma leptinotarsae</i>
2577	<i>Spiroplasma syrphidicola</i>
2578	<i>Spiroplasma taiwanense</i>
2579	<i>Spirosoma linguale</i>
2580	<i>Spirosoma luteum</i>
2581	<i>Spirosoma panaciterrae</i>
2582	<i>Spirosoma spitsbergense</i>
2583	<i>Spongiibacterium flavum</i>
2584	<i>Sporichthya polymorpha</i>
2585	<i>Sporobacter termitidis</i>
2586	<i>Sporobacterium olearium</i>
2587	<i>Sporocytophaga myxococcoides</i>
2588	<i>Sporolactobacillus inulinus</i>
2589	<i>Sporolactobacillus laevolacticus</i>
2590	<i>Sporolactobacillus terrae</i>
2591	<i>Sporolactobacillus vineae</i>
2592	<i>Sporomusa ovata</i>
2593	<i>Sporosarcina newyorkensis</i>
2594	<i>Sporosarcina pasteurii</i>
2595	<i>Sporosarcina</i> sp,
2596	<i>Stackebrandtia nassauensis</i>
2597	<i>Stanieria cyanosphaera</i>
2598	<i>Staphylococcus aureus</i>
2599	<i>Staphylococcus capitis</i>
2600	<i>Staphylococcus epidermidis</i>
2601	<i>Staphylococcus equorum</i>
2602	<i>Staphylococcus haemolyticus</i>
2603	<i>Staphylococcus hominis</i>
2604	<i>Staphylococcus intermedius</i>

2605	<i>Staphylococcus lentus</i>
2606	<i>Staphylococcus lugdunensis</i>
2607	<i>Staphylococcus massiliensis</i>
2608	<i>Staphylococcus pseudintermedius</i>
2609	<i>Staphylococcus saprophyticus</i>
2610	<i>Staphylococcus simulans</i>
2611	<i>Staphylococcus</i> sp,
2612	<i>Staphylococcus vitulinus</i>
2613	<i>Staphylococcus warneri</i>
2614	<i>Staphylococcus xylosus</i>
2615	<i>Stappia stellulata</i>
2616	<i>Starkeya novella</i>
2617	<i>Stegastes partitus</i>
2618	<i>Stenotrophomonas maltophilia</i>
2619	<i>Stenotrophomonas</i> sp,
2620	<i>Stigmatella aurantiaca</i>
2621	<i>Strawberry lethal</i>
2622	<i>Streptacidiphilus jeojiense</i>
2623	<i>Streptobacillus moniliformis</i>
2624	<i>Streptococcus agalactiae</i>
2625	<i>Streptococcus anginosus</i>
2626	<i>Streptococcus caballi</i>
2627	<i>Streptococcus castoreus</i>
2628	<i>Streptococcus constellatus</i>
2629	<i>Streptococcus devriesei</i>
2630	<i>Streptococcus dysgalactiae</i>
2631	<i>Streptococcus equi</i>
2632	<i>Streptococcus equinus</i>
2633	<i>Streptococcus ferus</i>
2634	<i>Streptococcus gallolyticus</i>
2635	<i>Streptococcus gordonii</i>
2636	<i>Streptococcus henryi</i>
2637	<i>Streptococcus hyovaginalis</i>
2638	<i>Streptococcus infantarius</i>
2639	<i>Streptococcus infantis</i>
2640	<i>Streptococcus iniae</i>
2641	<i>Streptococcus intermedius</i>
2642	<i>Streptococcus lutetiensis</i>
2643	<i>Streptococcus marimammalium</i>
2644	<i>Streptococcus massiliensis</i>
2645	<i>Streptococcus mitis</i>
2646	<i>Streptococcus mutans</i>
2647	<i>Streptococcus oligofermentans</i>
2648	<i>Streptococcus orisratti</i>
2649	<i>Streptococcus parauberis</i>
2650	<i>Streptococcus pasteurianus</i>
2651	<i>Streptococcus peroris</i>
2652	<i>Streptococcus phage</i>
2653	<i>Streptococcus pleomorphus</i>
2654	<i>Streptococcus plurextorum</i>
2655	<i>Streptococcus pneumoniae</i>
2656	<i>Streptococcus porci</i>
2657	<i>Streptococcus pseudopneumoniae</i>
2658	<i>Streptococcus pyogenes</i>
2659	<i>Streptococcus sanguinis</i>
2660	<i>Streptococcus sobrinus</i>
2661	<i>Streptococcus</i> sp,
2662	<i>Streptococcus suis</i>

2663	<i>Streptococcus thermophilus</i>
2664	<i>Streptococcus uberis</i>
2665	<i>Streptomyces acidiscabies</i>
2666	<i>Streptomyces afghaniensis</i>
2667	<i>Streptomyces albus</i>
2668	<i>Streptomyces anulatus</i>
2669	<i>Streptomyces auratus</i>
2670	<i>Streptomyces aureocirculatus</i>
2671	<i>Streptomyces avellaneus</i>
2672	<i>Streptomyces avermitilis</i>
2673	<i>Streptomyces bicolor</i>
2674	<i>Streptomyces bikiniensis</i>
2675	<i>Streptomyces bingchenggensis</i>
2676	<i>Streptomyces bottropensis</i>
2677	<i>Streptomyces canus</i>
2678	<i>Streptomyces catenulae</i>
2679	<i>Streptomyces cattleya</i>
2680	<i>Streptomyces cellulosa</i>
2681	<i>Streptomyces chartreusis</i>
2682	<i>Streptomyces clavuligerus</i>
2683	<i>Streptomyces collinus</i>
2684	<i>Streptomyces cyaneofuscatus</i>
2685	<i>Streptomyces davawensis</i>
2686	<i>Streptomyces erythrochromogenes</i>
2687	<i>Streptomyces exfoliatus</i>
2688	<i>Streptomyces flavidovirens</i>
2689	<i>Streptomyces flavochromogenes</i>
2690	<i>Streptomyces flavotricini</i>
2691	<i>Streptomyces flavovariabilis</i>
2692	<i>Streptomyces flavovirens</i>
2693	<i>Streptomyces fulvissimus</i>
2694	<i>Streptomyces fulvoviolaceus</i>
2695	<i>Streptomyces ghanaensis</i>
2696	<i>Streptomyces globisporus</i>
2697	<i>Streptomyces griseoflavus</i>
2698	<i>Streptomyces griseus</i>
2699	<i>Streptomyces halstedii</i>
2700	<i>Streptomyces hygrosopicus</i>
2701	<i>Streptomyces katrae</i>
2702	<i>Streptomyces lavendulae</i>
2703	<i>Streptomyces lavenduligriseus</i>
2704	<i>Streptomyces leeuwenhoekii</i>
2705	<i>Streptomyces mediolani</i>
2706	<i>Streptomyces megasporus</i>
2707	<i>Streptomyces monomycini</i>
2708	<i>Streptomyces natalensis</i>
2709	<i>Streptomyces niveus</i>
2710	<i>Streptomyces olivaceus</i>
2711	<i>Streptomyces peruviansis</i>
2712	<i>Streptomyces peucetius</i>
2713	<i>Streptomyces pristinaespiralis</i>
2714	<i>Streptomyces prunicolor</i>
2715	<i>Streptomyces purpeofuscus</i>
2716	<i>Streptomyces rapamycinicus</i>
2717	<i>Streptomyces resistomycificus</i>
2718	<i>Streptomyces rimosus</i>
2719	<i>Streptomyces roseochromogenus</i>
2720	<i>Streptomyces roseovorticillatus</i>

2721	<i>Streptomyces ruber</i>
2722	<i>Streptomyces scabiei</i>
2723	<i>Streptomyces scabrisporus</i>
2724	<i>Streptomyces sclerotialus</i>
2725	<i>Streptomyces scopuliridis</i>
2726	<i>Streptomyces seoulensis</i>
2727	<i>Streptomyces</i> sp,
2728	<i>Streptomyces sulphureus</i>
2729	<i>Streptomyces thermodiastaticus</i>
2730	<i>Streptomyces thermolilacinus</i>
2731	<i>Streptomyces varsoviensis</i>
2732	<i>Streptomyces violaceoruber</i>
2733	<i>Streptomyces violaceusniger</i>
2734	<i>Streptomyces virginiae</i>
2735	<i>Streptomyces viridochromogenes</i>
2736	<i>Streptomyces vitaminophilus</i>
2737	<i>Streptomyces xanthophaeus</i>
2738	<i>Streptomycetaceae bacterium</i>
2739	<i>Streptosporangium amethystogenes</i>
2740	<i>Streptosporangium roseum</i>
2741	<i>Strongylocentrotus purpuratus</i>
2742	<i>Subdoligranulum</i> sp,
2743	<i>Succinimonas amylolytica</i>
2744	<i>Succinispira mobilis</i>
2745	<i>Succinivibrio dextrinosolvens</i>
2746	<i>Succinivibrionaceae bacterium</i>
2747	<i>Sulfitobacter guttiformis</i>
2748	<i>Sulfitobacter mediterraneus</i>
2749	<i>Sulfitobacter</i> sp,
2750	<i>Sulfobacillus thermosulfidooxidans</i>
2751	<i>Sulfuricella denitrificans</i>
2752	<i>Sulfurihydrogenibium azorense</i>
2753	<i>Sulfurimonas denitrificans</i>
2754	<i>Sulfurospirillum barnesii</i>
2755	<i>Sulfurospirillum deleyianum</i>
2756	<i>Sulfurovum</i> sp,
2757	<i>Sus scrofa</i>
2758	<i>Sutterella parvirubra</i>
2759	<i>Sutterella</i> sp,
2760	<i>Symbiobacterium thermophilum</i>
2761	<i>Syncytium symbiont</i>
2762	<i>Synechococcus elongatus</i>
2763	<i>Synechococcus</i> sp,
2764	<i>Synechocystis</i> sp,
2765	<i>Synergistes</i> sp,
2766	<i>Synergistetes bacterium</i>
2767	<i>Syntrophobacter fumaroxidans</i>
2768	<i>Syntrophobotulus glycolicus</i>
2769	<i>Syntrophomonas palmitatica</i>
2770	<i>Syntrophomonas wolfei</i>
2771	<i>Syntrophorhabdus aromaticivorans</i>
2772	<i>Syntrophothermus lipocalidus</i>
2773	<i>Syntrophus aciditrophicus</i>
2774	<i>Taeniopygia guttata</i>
2775	<i>Takifugu rubripes</i>
2776	<i>Tannerella forsythia</i>
2777	<i>Tannerella</i> sp,
2778	<i>Tarsius syrichta</i>

2779	<i>Tatumella ptyseos</i>	2836	<i>Thermoproteus tenax</i>
2780	<i>Taylorella equigenitalis</i>	2837	<i>Thermosediminibacter oceani</i>
2781	<i>Tepidanaerobacter acetatoxydans</i>	2838	<i>Thermosipho africanus</i>
2782	<i>Tepidibacter thalassicus</i>	2839	<i>Thermosipho melanesiensis</i>
2783	<i>Tepidiphilus margaritifera</i>	2840	<i>Thermosynechococcus</i> sp,
2784	<i>Terasakiella pusilla</i>	2841	<i>Thermotalea metallivorans</i>
2785	<i>Teredinibacter turnerae</i>	2842	<i>Thermotoga hypogea</i>
2786	<i>Terracoccus</i> sp,	2843	<i>Thermotoga maritima</i>
2787	<i>Terriglobus roseus</i>	2844	<i>Thermotoga naphthophila</i>
2788	<i>Terriglobus saanensis</i>	2845	<i>Thermotoga neapolitana</i>
2789	<i>Terrimonas ferruginea</i>	2846	<i>Thermotoga petrophila</i>
2790	<i>Terrisporobacter glycolicus</i>	2847	<i>Thermovirga lienii</i>
2791	<i>Tetragenococcus halophilus</i>	2848	<i>Thermus antranikianii</i>
2792	<i>Tetragenococcus muriaticus</i>	2849	<i>Thermus igniterrae</i>
2793	<i>Tetrahymena thermophila</i>	2850	<i>Thermus oshimai</i>
2794	<i>Tetrasphaera elongata</i>	2851	<i>Thermus scotoductus</i>
2795	<i>Thalassiobium</i> sp,	2852	<i>Thermus</i> sp,
2796	<i>Thalassobacter arenae</i>	2853	<i>Thermus thermophilus</i>
2797	<i>Thalassobaculum salexigens</i>	2854	<i>Thielavia terrestris</i>
2798	<i>Thalassospira lucentensis</i>	2855	<i>Thioalkalivibrio nitratreducens</i>
2799	<i>Thauera linaloolentis</i>	2856	<i>Thioalkalivibrio</i> sp,
2800	<i>Thauera</i> sp,	2857	<i>Thioalkalivibrio sulfidophilus</i>
2801	<i>Thauera terpenica</i>	2858	<i>Thioalkalivibrio thiocyanodenitrificans</i>
2802	<i>Theobroma cacao</i>	2859	<i>Thioalkalivibrio thiocyanoxidans</i>
2803	<i>Thermacetogenium phaeum</i>	2860	<i>Thiobacillus denitrificans</i>
2804	<i>Thermaerobacter marianensis</i>	2861	<i>Thiobacillus thioparus</i>
2805	<i>Thermaerobacter subterraneus</i>	2862	<i>Thioflavicoccus mobilis</i>
2806	<i>Thermanaerovibrio acidaminovorans</i>	2863	<i>Thiomicrospira chilensis</i>
2807	<i>Thermanaerovibrio velox</i>	2864	<i>Thiomicrospira crunogena</i>
2808	<i>Thermicanus aegyptius</i>	2865	<i>Thiomicrospira halophila</i>
2809	<i>Thermincola potens</i>	2866	<i>Thiomicrospira pelophila</i>
2810	<i>Thermithiobacillus tepidarius</i>	2867	<i>Thiomicrospira</i> sp,
2811	<i>Thermoanaerobacter brockii</i>	2868	<i>Thiomonas intermedia</i>
2812	<i>Thermoanaerobacter indiensis</i>	2869	<i>Thiomonas</i> sp,
2813	<i>Thermoanaerobacter italicus</i>	2870	<i>Thiorhodovibrio</i> sp,
2814	<i>Thermoanaerobacter kivui</i>	2871	<i>Thiothrix disciformis</i>
2815	<i>Thermoanaerobacter mathranii</i>	2872	<i>Thiothrix flexilis</i>
2816	<i>Thermoanaerobacter siderophilus</i>	2873	<i>Thiothrix nivea</i>
2817	<i>Thermoanaerobacter</i> sp,	2874	<i>Tistrella mobilis</i>
2818	<i>Thermoanaerobacterium saccharolyticum</i>	2875	<i>Tolumonas auensis</i>
2819	<i>Thermoanaerobacterium</i> <i>thermosaccharolyticum</i>	2876	<i>Tolumonas</i> sp,
2820	<i>Thermoanaerobacterium xylanolyticum</i>	2877	<i>Tomitella biformata</i>
2821	<i>Thermobacillus composti</i>	2878	<i>Torulaspora delbrueckii</i>
2822	<i>Thermobaculum terrenum</i>	2879	<i>Toxoplasma gondii</i>
2823	<i>Thermobifida fusca</i>	2880	<i>Treponema azotonutricium</i>
2824	<i>Thermobispora bispora</i>	2881	<i>Treponema brennaborense</i>
2825	<i>Thermobrachium celere</i>	2882	<i>Treponema bryantii</i>
2826	<i>Thermococcus gammatolerans</i>	2883	<i>Treponema denticola</i>
2827	<i>Thermococcus onnurineus</i>	2884	<i>Treponema lecithinolyticum</i>
2828	<i>Thermococcus</i> sp,	2885	<i>Treponema maltophilum</i>
2829	<i>Thermodesulfobacterium geofontis</i>	2886	<i>Treponema medium</i>
2830	<i>Thermodesulfobium narugense</i>	2887	<i>Treponema pallidum</i>
2831	<i>Thermodesulfobivibrio yellowstonii</i>	2888	<i>Treponema pedis</i>
2832	<i>Thermomicrobium roseum</i>	2889	<i>Treponema phagedenis</i>
2833	<i>Thermomonas fusca</i>	2890	<i>Treponema primitia</i>
2834	<i>Thermomonospora curvata</i>	2891	<i>Treponema socranskii</i>
2835	<i>Thermoplasmatales archaeon</i>	2892	<i>Treponema</i> sp,
		2893	<i>Treponema succinifaciens</i>

2894	<i>Treponema vincentii</i>
2895	<i>Tribolium castaneum</i>
2896	<i>Trichechus manatus</i>
2897	<i>Trichinella spiralis</i>
2898	<i>Trichoderma reesei</i>
2899	<i>Trichodesmium erythraeum</i>
2900	<i>Trichomonas vaginalis</i>
2901	<i>Truepera radiovictrix</i>
2902	<i>Trueperella pyogenes</i>
2903	<i>Trypanosoma cruzi</i>
2904	<i>Tuberibacillus calidus</i>
2905	<i>Tumebacillus ginsengisoli</i>
2906	<i>Tupaia chinensis</i>
2907	<i>Turicella otitidis</i>
2908	<i>Turneriella parva</i>
2909	<i>Tursiops truncatus</i>
2910	<i>Uliginosibacterium gangwonense</i>
2911	<i>Uncinocarpus reesii</i>
2912	uncultured archaeon
2913	Uncultured bacterium
2914	Uncultured Termite
2915	<i>Ureaplasma canigenitalium</i>
2916	<i>Ureaplasma urealyticum</i>
2917	<i>Ureibacillus thermosphaericus</i>
2918	<i>Ursus maritimus</i>
2919	<i>Vanderwaltozyma polyspora</i>
2920	<i>Variovorax paradoxus</i>
2921	<i>Variovorax</i> sp,
2922	<i>Verminephrobacter aporrectodeae</i>
2923	<i>Verminephrobacter eiseniae</i>
2924	<i>Verrucomicrobia bacterium</i>
2925	<i>Verrucomicrobiae bacterium</i>
2926	<i>Verrucomicrobium</i> sp,
2927	<i>Verrucomicrobium spinosum</i>
2928	<i>Verrucospora maris</i>
2929	<i>Verticillium albo-atrum</i>
2930	<i>Vibrio alginolyticus</i>
2931	<i>Vibrio angustum</i>
2932	<i>Vibrio cholerae</i>
2933	<i>Vibrio coralliilyticus</i>
2934	<i>Vibrio crassostreae</i>
2935	<i>Vibrio cyclitrophicus</i>
2936	<i>Vibrio furnissii</i>
2937	<i>Vibrio genomsp,</i>
2938	<i>Vibrio harveyi</i>
2939	<i>Vibrio litoralis</i>
2940	<i>Vibrio mimicus</i>
2941	<i>Vibrio nigripulchritudo</i>
2942	<i>Vibrio owensii</i>
2943	<i>Vibrio parahaemolyticus</i>
2944	<i>Vibrio</i> sp,
2945	<i>Vibrio splendidus</i>
2946	<i>Vibrio tasmaniensis</i>
2947	<i>Vibrio vulnificus</i>
2948	<i>Vicugna pacos</i>
2949	<i>Virgibacillus alimentarius</i>
2950	<i>Virgibacillus halodenitrificans</i>
2951	<i>Virgibacillus</i> sp,

2952	<i>Vitis rotundifolia</i>
2953	<i>Vitis vinifera</i>
2954	<i>Volvox carteri</i>
2955	<i>Waddlia chondrophila</i>
2956	<i>Weissella oryzae</i>
2957	<i>Wenxinia marina</i>
2958	<i>Williamsia</i> sp,
2959	<i>Wohlfahrtiimonas chitiniclastica</i>
2960	<i>Wolbachia endosymbiont</i>
2961	<i>Wolinella succinogenes</i>
2962	<i>Xanthobacter autotrophicus</i>
2963	<i>Xanthobacter</i> sp,
2964	<i>Xanthobacteraceae bacterium</i>
2965	<i>Xanthomonadaceae bacterium</i>
2966	<i>Xanthomonas albilineans</i>
2967	<i>Xanthomonas arboricola</i>
2968	<i>Xanthomonas axonopodis</i>
2969	<i>Xanthomonas campestris</i>
2970	<i>Xanthomonas cassavae</i>
2971	<i>Xanthomonas citri</i>
2972	<i>Xanthomonas fuscans</i>
2973	<i>Xanthomonas hortorum</i>
2974	<i>Xanthomonas oryzae</i>
2975	<i>Xanthomonas sacchari</i>
2976	<i>Xanthomonas</i> sp,
2977	<i>Xanthomonas translucens</i>
2978	<i>Xanthomonas vasicola</i>
2979	<i>Xenopus</i> (Silurana)
2980	<i>Xenorhabdus bovienii</i>
2981	<i>Xenorhabdus nematophila</i>
2982	<i>Xiphophorus maculatus</i>
2983	<i>Xylanimonas cellulositytica</i>
2984	<i>Yersinia pestis</i>
2985	<i>Yokenella regensburgei</i>
2986	<i>Zavarzinella formosa</i>
2987	<i>Zea mays</i>
2988	<i>Zeta proteobacterium</i>
2989	<i>Zimmermannella faecalis</i>
2990	<i>Zonotrichia albicollis</i>
2991	<i>Zooshikella ganghwensis</i>
2992	<i>Zunongwangia profunda</i>
2993	<i>Zygnema circumcarinatum</i>
2994	<i>Zymbacter palmae</i>
2995	<i>Zymomonas mobilis</i>
2996	<i>Zymophilus raffinosivorans</i>

Table S29 : The taxonomic profile predicted from the assembly results of MetaVelvet-SL using BLAST for the MH0047 dataset.

No	Species
1	<i>Alistipes putredinis</i>
2	<i>Alistipes shahii</i>
3	<i>Anaerotruncus colihominis</i>
4	<i>Bacteroides caccae</i>
5	<i>Bacteroides cellulosilyticus</i>
6	<i>Bacteroides coprocola</i>
7	<i>Bacteroides coprophilus</i>
8	<i>Bacteroides dorei</i>
9	<i>Bacteroides eggerthii</i>
10	<i>Bacteroides finegoldii</i>
11	<i>Bacteroides fragilis</i>
12	<i>Bacteroides ovatus</i>
13	<i>Bacteroides plebeius</i>
14	<i>Bacteroides salanitronis</i>
15	<i>Bacteroides stercoris</i>
16	<i>Bacteroides unclassified</i>
17	<i>Bacteroides uniformis</i>
18	<i>Bacteroides vulgatus</i>
19	<i>Bacteroides xylanisolvens</i>
20	<i>Bifidobacterium adolescentis</i>
21	<i>Bifidobacterium longum</i>
22	<i>Bilophila wadsworthia</i>
23	<i>Blautia unclassified</i>
24	<i>Butyrivibrio unclassified</i>
25	<i>Clostridium asparagiforme</i>
26	<i>Clostridium bartlettii</i>
27	<i>Clostridium cf</i>
28	<i>Clostridium leptum</i>
29	<i>Clostridium nexile</i>
30	<i>Collinsella aerofaciens</i>
31	<i>Coprococcus catus</i>
32	<i>Coprococcus comes</i>
33	<i>Desulfovibrio desulfuricans</i>
34	<i>Desulfovibrio piger</i>
35	<i>Dorea formicigenerans</i>
36	<i>Dorea unclassified</i>
37	<i>Escherichia coli</i>
38	<i>Eubacterium hallii</i>
39	<i>Eubacterium rectale</i>
40	<i>Eubacterium siraeum</i>
41	<i>Faecalibacterium cf</i>
42	<i>Faecalibacterium prausnitzii</i>
43	<i>Faecalibacterium unclassified</i>
44	<i>Holdemania filiformis</i>
45	<i>Odoribacter splanchnicus</i>
46	<i>Parabacteroides distasonis</i>
47	<i>Parabacteroides johnsonii</i>
48	<i>Parabacteroides merdae</i>
49	<i>Parabacteroides unclassified</i>
50	<i>Phascolarctobacterium unclassified</i>
51	<i>Prevotella buccae</i>
52	<i>Pseudoflavonifractor capillosus</i>
53	<i>Roseburia intestinalis</i>
54	<i>Roseburia inulinivorans</i>
55	<i>Ruminococcus bromii</i>
56	<i>Ruminococcus gnavus</i>
57	<i>Ruminococcus obeum</i>
58	<i>Ruminococcus torques</i>
59	<i>Streptococcus mutans</i>
60	<i>Streptococcus parasanguinis</i>
61	<i>Streptococcus salivarius</i>
62	<i>Subdoligranulum variabile</i>
63	<i>Veillonella atypica</i>
64	<i>Veillonella dispar</i>
65	<i>Veillonella unclassified</i>
66	[<i>Bacillus</i>] <i>schlegelii</i>
67	[<i>Clostridium</i>] <i>aerotolerans</i>
68	[<i>Clostridium</i>] <i>aminophilum</i>
69	[<i>Clostridium</i>] <i>bifermentans</i>
70	[<i>Clostridium</i>] <i>cellobioparum</i>
71	[<i>Clostridium</i>] <i>citroniae</i>
72	[<i>Clostridium</i>] <i>clostridioforme</i>
73	[<i>Clostridium</i>] <i>indolis</i>
74	[<i>Clostridium</i>] <i>josui</i>
75	[<i>Clostridium</i>] <i>mangenotii</i>
76	[<i>Clostridium</i>] <i>methoxybenzovorans</i>
77	[<i>Clostridium</i>] <i>papyrosolvans</i>
78	[<i>Clostridium</i>] <i>saccharogumia</i>
79	[<i>Clostridium</i>] <i>sordellii</i>
80	[<i>Clostridium</i>] <i>sporosphaeroides</i>
81	[<i>Clostridium</i>] <i>sticklandii</i> ,
82	[<i>Clostridium</i>] <i>termitidis</i>
83	[<i>Clostridium</i>] <i>thermosuccinogenes</i>
84	[<i>Clostridium</i>] <i>viride</i>
85	[<i>Eubacterium</i>] <i>cellulosolvans</i>
86	[<i>Eubacterium</i>] <i>minutum</i>
87	<i>Abiotrophia defectiva</i>
88	<i>Acanthamoeba castellanii</i>
89	<i>Acanthisitta chloris</i>
90	<i>Acaricomes phytoseiuli</i>
91	<i>Acetanaerobacterium elongatum</i>
92	<i>Acetivibrio cellulolyticus</i>
93	<i>Acetobacter nitrogenifigens</i>
94	<i>Acetobacter pasteurianus</i>
95	<i>Acetobacter sp.</i>
96	<i>Acetobacterium dehalogenans</i>
97	<i>Acetobacterium woodii</i>
98	<i>Acholeplasma axanthum</i>
99	<i>Acholeplasma modicum</i>
100	<i>Acholeplasma sp.</i>
101	<i>Achromobacter piechaudii</i>
102	<i>Achromobacter xylosoxidans</i>
103	<i>Acidaminococcus fermentans</i>
104	<i>Acidaminococcus sp.</i>
105	<i>Acidimicrobidae bacterium</i>
106	<i>Acidimicrobium ferrooxidans</i>
107	<i>Acidiphilium angustum</i>
108	<i>Acidiphilium multivorum</i>
109	<i>Acidiphilium sp.</i>
110	<i>Acidithiobacillus caldus</i>

111	<i>Acidithiobacillus ferrivorans</i>
112	<i>Acidithiobacillus ferrooxidans</i>
113	<i>Acidithiobacillus thiooxidans</i>
114	<i>Acidobacteria</i> bacterium
115	<i>Acidobacteriaceae</i> bacterium
116	<i>Acidobacterium capsulatum</i>
117	<i>Acidobacterium</i> sp.
118	<i>Acidocella facilis</i>
119	<i>Acidovorax avenae</i>
120	<i>Acidovorax citrulli</i>
121	<i>Acidovorax ebreus</i>
122	<i>Acidovorax oryzae</i>
123	<i>Acidovorax radidis</i>
124	<i>Acidovorax</i> sp.
125	<i>Acinetobacter baumannii</i>
126	<i>Acinetobacter bereziniae</i>
127	<i>Acinetobacter bouvetii</i>
128	<i>Acinetobacter generi</i>
129	<i>Acinetobacter guillouiae</i>
130	<i>Acinetobacter johnsonii</i>
131	<i>Acinetobacter lwoffii</i>
132	<i>Acinetobacter parvus</i>
133	<i>Acinetobacter</i> sp.
134	<i>Acinetobacter venetianus</i>
135	<i>Actinoalloteichus spitiensis</i>
136	<i>Actinobacillus succinogenes</i>
137	<i>Actinobacillus ureae</i>
138	<i>Actinobacterium</i> SCGC
139	<i>Actinobaculum massiliae</i>
140	<i>Actinobaculum schaalii</i>
141	<i>Actinocatenispora sera</i>
142	<i>Actinokineospora enzanensis</i>
143	<i>Actinokineospora inagensis</i>
144	<i>Actinomadura atramentaria</i>
145	<i>Actinomadura flavalba</i>
146	<i>Actinomyces cardiffensis</i>
147	<i>Actinomyces dentalis</i>
148	<i>Actinomyces georgiae</i>
149	<i>Actinomyces gerencseriae</i>
150	<i>Actinomyces johnsonii</i>
151	<i>Actinomyces massiliensis</i>
152	<i>Actinomyces neuui</i>
153	<i>Actinomyces</i> sp.
154	<i>Actinomyces timonensis</i>
155	<i>Actinomyces turicensis</i>
156	<i>Actinomyces vaccimaxillae</i>
157	<i>Actinoplanes missouriensis</i>
158	<i>Actinoplanes</i> sp.
159	<i>Actinoplanes subtropicus</i>
160	<i>Acyrthosiphon pisum</i>
161	<i>Adhaeribacter aquaticus</i>
162	<i>Adlercreutzia equolifaciens</i>
163	<i>Advenella kashmirensis</i>
164	<i>Aedes aegypti</i>
165	<i>Aequorivita sublithincola</i>
166	<i>Aerococcus urinae</i>
167	<i>Aerococcus viridans</i>
168	<i>Aeromonas caviae</i>

169	<i>Aeromonas enteropelogenes</i>
170	<i>Aeromonas hydrophila</i>
171	<i>Aeromonas salmonicida</i>
172	<i>Aeromonas</i> sp.
173	<i>Aeromonas veronii</i>
174	<i>Aestuariimicrobium kwangyangense</i>
175	<i>Afifella pfennigii</i>
176	<i>Afipia broomeae</i>
177	<i>Afipia clevelandensis</i>
178	<i>Afipia</i> sp.
179	<i>Aggregatibacter actinomycetemcomitans</i>
180	<i>Aggregatibacter aphrophilus</i>
181	<i>Aggregatibacter segnis</i>
182	<i>Agrobacterium fabrum</i>
183	<i>Agrobacterium radiobacter</i>
184	<i>Agrobacterium</i> sp.
185	<i>Agrobacterium tumefaciens</i>
186	<i>Agrobacterium vitis</i>
187	<i>Ahrensia</i> sp.
188	<i>Ailuropoda melanoleuca</i>
189	<i>Ajellomyces capsulatus</i>
190	<i>Akkermansia muciniphila</i>
191	<i>Akkermansia muciniphila</i> ,
192	<i>Akkermansia</i> sp.
193	<i>Alcaligenes</i> sp.
194	<i>Alcanivorax dieselolei</i>
195	<i>Alcanivorax</i> sp.
196	<i>Algoriphagus mannitolivorans</i>
197	<i>Algoriphagus marincola</i>
198	<i>Algoriphagus terrigena</i>
199	<i>Aliagarivorans marinus</i>
200	<i>Alicyclophilus denitrificans</i>
201	<i>Alicyclobacillus acidocaldarius</i>
202	<i>Alicyclobacillus herbarius</i>
203	<i>Alicyclobacillus macrosporangiidus</i>
204	<i>Alicyclobacillus pohliae</i>
205	<i>Alicyclobacillus pomorum</i>
206	<i>Alistipes finegoldii</i>
207	<i>Alistipes indistinctus</i>
208	<i>Alistipes onderdonkii</i>
209	<i>Alistipes senegalensis</i>
210	<i>Alistipes</i> sp.
211	<i>Alistipes timonensis</i>
212	<i>Alkalibacillus haloalkaliphilus</i>
213	<i>Alkalibaculum bacchi</i>
214	<i>Alkaliflexus imshenetskii</i>
215	<i>Alkaliphilus metalliredigens</i>
216	<i>Alkaliphilus transvaalensis</i>
217	<i>Alkanindiges illinoisensis</i>
218	<i>Alligator sinensis</i>
219	<i>Allobaculum stercoricanis</i>
220	<i>Allochromatium vinosum</i>
221	<i>Allokutzneria albata</i>
222	<i>Alloprevotella rava</i>
223	<i>Alpha proteobacterium</i>
224	<i>Amborella trichopoda</i>
225	<i>Aminicenantes bacterium</i>
226	<i>Aminobacter</i> sp.

227	<i>Aminomonas paucivorans</i>
228	<i>Amorphus coralli</i>
229	<i>Amphibacillus jilinensis</i>
230	<i>Amphibacillus xylanus</i>
231	<i>Amphimedon queenslandica</i>
232	<i>Amphritea japonica</i>
233	<i>Amycolatopsis balhimycina</i>
234	<i>Amycolatopsis mediterranei</i>
235	<i>Amycolatopsis methanolica</i>
236	<i>Amycolatopsis orientalis</i>
237	<i>Amycolatopsis taiwanensis</i>
238	<i>Amycolatopsis thermoflava</i>
239	<i>Anaerobacterium chartisolvens</i>
240	<i>Anaerobaculum mobile</i>
241	<i>Anaerococcus obesiensis</i>
242	<i>Anaerococcus prevotii</i>
243	<i>Anaerococcus vaginalis</i>
244	<i>Anaerofilum agile</i>
245	<i>Anaerolinea thermophila</i>
246	<i>Anaeromusa acidaminophila</i>
247	<i>Anaeromyxobacter dehalogenans</i>
248	<i>Anaeromyxobacter</i> sp.
249	<i>Anaerophaga thermohalophila</i>
250	<i>Anaerostipes caccae</i>
251	<i>Anaerostipes hadrus</i>
252	<i>Anaerotruncus</i> sp.
253	<i>Anaerovibrio</i> sp.
254	<i>Anaerovorax odorimutans</i>
255	<i>Anas platyrhynchos</i>
256	<i>Anolis carolinensis</i>
257	<i>Anoxybacillus flavithermus</i>
258	<i>Anoxybacillus kamchatkensis</i>
259	<i>Anoxybacillus tepidamans</i>
260	<i>Apis dorsata</i>
261	<i>Apis florea</i>
262	<i>Aplysia californica</i>
263	<i>Aptenodytes forsteri</i>
264	<i>Aquifex aeolicus</i>
265	<i>Aquimarina agarilytica</i>
266	<i>Aquimarina megaterium</i>
267	<i>Aquimarina</i> sp.
268	<i>Archaeoglobus fulgidus</i>
269	<i>Arcobacter</i> sp.
270	<i>Arenimonas composti</i>
271	<i>Arhodomonas aquaeolei</i>
272	<i>Armatimonadetes bacterium</i>
273	<i>Aromatoleum aromaticum</i>
274	<i>Arthrobacter chlorophenolicus</i>
275	<i>Arthrobacter nicotinovorans</i>
276	<i>Arthrobacter phenanthrenivorans</i>
277	<i>Arthrobacter</i> sp.
278	<i>Asaia platycodi</i>
279	<i>Asaia prunellae</i>
280	<i>Ashbya gossypii</i>
281	<i>Asticcacaulis benevestitus</i>
282	<i>Asticcacaulis biprosthecum</i>
283	<i>Asticcacaulis excentricus</i>
284	<i>Asticcacaulis</i> sp.

285	<i>Astyanax mexicanus</i>
286	<i>Atopobium fossor</i>
287	<i>Atopobium minutum</i>
288	<i>Atopobium vaginae</i>
289	<i>Aurantimonas coralicida</i>
290	<i>Aureococcus anophagefferens</i>
291	<i>Azoarcus</i> sp.
292	<i>Azoarcus toluclasticus</i>
293	<i>Azohydromonas australica</i>
294	<i>Azonexus hydrophilus</i>
295	<i>Azorhizobium caulinodans</i>
296	<i>Azorhizobium doebereineriae</i>
297	<i>Azospirillum brasilense</i>
298	<i>Azospirillum halopraeferens</i>
299	<i>Azospirillum lipoferum</i>
300	<i>Azospirillum</i> sp.
301	<i>Azotobacter vinelandii</i>
302	<i>Azovibrio restrictus</i>
303	<i>Bacillus acidiproducens</i>
304	<i>Bacillus aidingensis</i>
305	<i>Bacillus amyloliquefaciens</i>
306	<i>Bacillus atrophaeus</i>
307	<i>Bacillus bogoriensis</i>
308	<i>Bacillus cereus</i>
309	<i>Bacillus chagannorensis</i>
310	<i>Bacillus coagulans</i>
311	<i>Bacillus coahuilensis</i>
312	<i>Bacillus cytotoxicus</i>
313	<i>Bacillus fordii</i>
314	<i>Bacillus gelatini</i>
315	<i>Bacillus kribbensis</i>
316	<i>Bacillus licheniformis</i>
317	<i>Bacillus marmarensis</i>
318	<i>Bacillus megaterium</i>
319	<i>Bacillus mojavenensis</i>
320	<i>Bacillus oceanisediminis</i>
321	<i>Bacillus panaciterrae</i>
322	<i>Bacillus pumilus</i>
323	<i>Bacillus selenitireducens</i>
324	<i>Bacillus siamensis</i>
325	<i>Bacillus smithii</i>
326	<i>Bacillus</i> sp.
327	<i>Bacillus subtilis</i>
328	<i>Bacillus toyonensis</i>
329	<i>Bacillus vallismortis</i>
330	<i>Bacterium JKG1</i>
331	<i>Bacteroidales bacterium</i>
332	<i>Bacteroidetes oral</i>
333	<i>Balaenoptera acutorostrata</i>
334	<i>Balneatrix alpica</i>
335	<i>Barnesiella intestinihominis</i>
336	<i>Barnesiella viscericola</i>
337	<i>Bartonella bacilliformis</i>
338	<i>Bartonella clarridgeiae</i>
339	<i>Bartonella elizabethae</i>
340	<i>Bathycoccus prasinos</i>
341	<i>Baudoinia compniacensis</i>
342	<i>Bavariicoccus seileri</i>

343	<i>Beijerinckia indica</i>
344	<i>Belliella baltica</i>
345	<i>Beta proteobacterium</i>
346	<i>Beutenbergia cavernae</i>
347	<i>Bifidobacterium angulatum</i>
348	<i>Bifidobacterium animalis</i>
349	<i>Bifidobacterium asteroides</i>
350	<i>Bifidobacterium bifidum</i>
351	<i>Bifidobacterium boum</i>
352	<i>Bifidobacterium breve</i>
353	<i>Bifidobacterium dentium</i>
354	<i>Bifidobacterium minimum</i>
355	<i>Bifidobacterium pseudocatenulatum</i>
356	<i>Bifidobacterium pseudolongum</i>
357	<i>Bifidobacterium ruminantium</i>
358	<i>Bifidobacterium sp.</i>
359	<i>Bifidobacterium subtile</i>
360	<i>Bifidobacterium thermacidophilum</i>
361	<i>Bifidobacterium thermophilum</i>
362	<i>Bifidobacterium tsurumiense</i>
363	<i>Bilophila sp.</i>
364	<i>Blastococcus saxosidens</i>
365	<i>Blastomonas sp.</i>
366	<i>Blastopirellula marina</i>
367	<i>Blattabacterium sp.</i>
368	<i>Bordetella avium</i>
369	<i>Bordetella bronchiseptica</i>
370	<i>Bordetella hinzii</i>
371	<i>Bordetella holmesii</i>
372	<i>Bordetella petrii</i>
373	<i>Bordetella sp.</i>
374	<i>Bordetella trematum</i>
375	<i>Bos mutus</i>
376	<i>Bos taurus</i>
377	<i>Botryotinia fuckeliana</i>
378	<i>Brachybacterium faecium</i>
379	<i>Brachybacterium muris</i>
380	<i>Brachymonas chironomi</i>
381	<i>Brachypodium distachyon</i>
382	<i>Brachyspira alvinipulli</i>
383	<i>Brachyspira intermedia</i>
384	<i>Brachyspira pilosicoli</i>
385	<i>Brachyspira sp.</i>
386	<i>Bradyrhizobium elkanii</i>
387	<i>Bradyrhizobium genosp.</i>
388	<i>Bradyrhizobium japonicum</i>
389	<i>Bradyrhizobium sp.</i>
390	<i>Branchiostoma floridae</i>
391	<i>Brassica rapa</i>
392	<i>BRC1 bacterium</i>
393	<i>Brevibacillus agri</i>
394	<i>Brevibacillus borstelensis</i>
395	<i>Brevibacillus brevis</i>
396	<i>Brevibacillus massiliensis,</i>
397	<i>Brevibacillus panacihumi</i>
398	<i>Brevibacillus thermoruber</i>
399	<i>Brevibacterium album</i>
400	<i>Brevibacterium sp.</i>

401	<i>Brevundimonas aveniformis</i>
402	<i>Brevundimonas diminuta</i>
403	<i>Brochothrix thermosphacta</i>
404	<i>Brucella abortus</i>
405	<i>Brucella pinnipedialis</i>
406	<i>Brucella sp.</i>
407	<i>Bryobacter aggregatus</i>
408	<i>Bubalus bubalis</i>
409	<i>Buchnera aphidicola</i>
410	<i>Burkholderia acidipaludis</i>
411	<i>Burkholderia andropogonis</i>
412	<i>Burkholderia bannensis</i>
413	<i>Burkholderia caledonica</i>
414	<i>Burkholderia cenocepacia</i>
415	<i>Burkholderia cepacia</i>
416	<i>Burkholderia dilworthii</i>
417	<i>Burkholderia dolosa</i>
418	<i>Burkholderia ferrariae</i>
419	<i>Burkholderia fungorum</i>
420	<i>Burkholderia gladioli</i>
421	<i>Burkholderia glumae</i>
422	<i>Burkholderia kururiensis</i>
423	<i>Burkholderia mallei</i>
424	<i>Burkholderia mimosarum</i>
425	<i>Burkholderia nodosa</i>
426	<i>Burkholderia oklahomensis</i>
427	<i>Burkholderia oxyphila</i>
428	<i>Burkholderia phenoliruptrix</i>
429	<i>Burkholderia phymatum</i>
430	<i>Burkholderia phytofirmans</i>
431	<i>Burkholderia pseudomallei</i>
432	<i>Burkholderia pyrrocinia</i>
433	<i>Burkholderia rhizoxinica</i>
434	<i>Burkholderia sordidicola</i>
435	<i>Burkholderia sp.</i>
436	<i>Burkholderia sprentiae</i>
437	<i>Burkholderia thailandensis</i>
438	<i>Burkholderia ubonensis</i>
439	<i>Burkholderia xenovorans</i>
440	<i>Burkholderiales bacterium</i>
441	<i>Butyrate-producing bacterium</i>
442	<i>Butyricoccus pullicaecorum</i>
443	<i>Butyricimonas synergistica</i>
444	<i>Butyricimonas virosa</i>
445	<i>Caenorhabditis elegans</i>
446	<i>Caldanaerobacter subterraneus</i>
447	<i>Caldanaerobius polysaccharolyticus</i>
448	<i>Caldibacillus debilis</i>
449	<i>Caldicellulosiruptor lactoaceticus</i>
450	<i>Caldicellulosiruptor owensensis</i>
451	<i>Caldicoprobacter oshimai</i>
452	<i>Caldimonas manganoxidans</i>
453	<i>Calditerrivibrio nitroreducens</i>
454	<i>Caldithrix abyssi</i>
455	<i>Calescamantes bacterium</i>
456	<i>Callithrix jacchus</i>
457	<i>Callorhinchus milii</i>
458	<i>Caloramator sp.</i>

459	<i>Calothrix</i> sp.
460	<i>Calypte</i> anna
461	<i>Camelus</i> ferus
462	<i>Campylobacter</i> coli
463	<i>Campylobacter</i> curvus
464	<i>Campylobacter</i> fetus
465	<i>Campylobacter</i> hominis
466	<i>Campylobacter</i> jejuni
467	<i>Campylobacter</i> upsaliensis
468	Campylobacteriales bacterium
469	Candidatus <i>Accumulibacter</i>
470	Candidatus <i>Alistipes</i>
471	Candidatus <i>Arthromitus</i>
472	Candidatus <i>Burkholderia</i>
473	Candidatus <i>Carsonella</i>
474	Candidatus <i>Chloracidobacterium</i>
475	Candidatus <i>Hydrogenedens</i>
476	Candidatus <i>Kinetoplastibacterium</i>
477	Candidatus <i>Methylomirabilis</i>
478	Candidatus <i>Nitrospira</i>
479	Candidatus <i>Pelagibacter</i>
480	Candidatus <i>Phytoplasma</i>
481	Candidatus <i>Regiella</i>
482	Candidatus <i>Riesia</i>
483	Candidatus <i>Saccharibacteria</i>
484	Candidatus <i>Solibacter</i>
485	Candidatus <i>Stoquefichus</i>
486	<i>Canis</i> lupus
487	<i>Capnocytophaga</i> canimorsus
488	<i>Capnocytophaga</i> ochracea
489	<i>Capnocytophaga</i> sp.
490	<i>Capra</i> hircus
491	<i>Capsicum</i> annuum
492	<i>Cardiobacterium</i> hominis
493	<i>Cardiobacterium</i> valvarum
494	<i>Carnobacterium</i> jeotgali
495	<i>Carnobacterium</i> maltaromaticum
496	<i>Catabacter</i> hongkongensis
497	<i>Catellibacterium</i> nectarophilum
498	<i>Catelliglobospora</i> koreensis
499	<i>Catenibacterium</i> sp.
500	<i>Catenulispora</i> acidiphila
501	<i>Catonella</i> morbi
502	<i>Caulobacter</i> segnis
503	<i>Caulobacter</i> sp.
504	Caulobacteraceae bacterium
505	<i>Cavia</i> porcellus
506	<i>Cedecea</i> davisae
507	<i>Cellulomonas</i> fimi
508	<i>Cellulomonas</i> flavigena
509	<i>Cellulomonas</i> massiliensis
510	<i>Cellulomonas</i> sp.
511	<i>Cellulophaga</i> algicola
512	<i>Cellulophaga</i> baltica
513	<i>Cellvibrio</i> japonicus
514	<i>Centipeda</i> periodontii
515	<i>Ceratitidis</i> capitata
516	<i>Ceratotherium</i> simum

517	<i>Chaetomium</i> globosum
518	<i>Chamaesiphon</i> minutus
519	<i>Chelativorans</i> sp.
520	<i>Chelatococcus</i> sp.
521	<i>Chelonia</i> mydas
522	<i>Chinchilla</i> lanigera
523	<i>Chitinibacter</i> tainanensis
524	<i>Chitinilyticum</i> aquatile
525	<i>Chitinilyticum</i> litopenaei
526	<i>Chitinimonas</i> koreensis
527	<i>Chitiniphilus</i> shinanonensis
528	<i>Chitinophaga</i> pinensis
529	<i>Chlamydomonas</i> reinhardtii
530	<i>Chlorella</i> variabilis
531	<i>Chlorobaculum</i> parvum
532	<i>Chlorobium</i> limicola
533	<i>Chlorobium</i> luteolum
534	<i>Chlorobium</i> phaeobacteroides
535	<i>Chlorobium</i> tepidum
536	<i>Chlorocebus</i> sabaeus
537	<i>Chloroflexi</i> bacterium
538	<i>Chloroflexus</i> aggregans
539	<i>Chloroflexus</i> sp.
540	<i>Chloroherpeton</i> thalassium
541	<i>Chloepus</i> hoffmanni
542	<i>Christensenella</i> minuta
543	<i>Chromobacterium</i> violaceum
544	<i>Chromohalobacter</i> salexigens
545	<i>Chroococcidiopsis</i> thermalis
546	<i>Chrysemys</i> picta
547	<i>Chryseobacterium</i> caeni
548	<i>Chryseobacterium</i> daeguense
549	<i>Chryseobacterium</i> gregarium
550	<i>Chryseobacterium</i> haifense
551	<i>Chryseobacterium</i> taeanense
552	<i>Chrysochloris</i> asiatica
553	<i>Cicer</i> arietinum
554	<i>Citricella</i> sp.
555	<i>Citrobacter</i> freundii
556	<i>Citrobacter</i> koseri
557	<i>Citrobacter</i> rodentium
558	<i>Citrobacter</i> sp.
559	<i>Citromicrobium</i> sp.
560	<i>Citrus</i> clementina
561	<i>Clavibacter</i> michiganensis
562	Clostridiales bacterium
563	Clostridiales genomosp.
564	<i>Clostridium</i> acetobutylicum
565	<i>Clostridium</i> algidicarnis
566	<i>Clostridium</i> autoethanogenum
567	<i>Clostridium</i> beijerinckii
568	<i>Clostridium</i> bolteae
569	<i>Clostridium</i> botulinum
570	<i>Clostridium</i> butyricum
571	<i>Clostridium</i> cadaveris
572	<i>Clostridium</i> carboxidivorans
573	<i>Clostridium</i> celatum
574	<i>Clostridium</i> cellulolyticum

575	<i>Clostridium cellulovorans</i>
576	<i>Clostridium chartatabidum</i>
577	<i>Clostridium citroniae</i>
578	<i>Clostridium clariflavum</i>
579	<i>Clostridium clostridioforme</i>
580	<i>Clostridium colicanis</i>
581	<i>Clostridium difficile</i>
582	<i>Clostridium disporicum</i>
583	<i>Clostridium glycolicum</i>
584	<i>Clostridium hathewayi</i>
585	<i>Clostridium hiranonis</i>
586	<i>Clostridium hydrogeniformans</i>
587	<i>Clostridium hylemonae</i>
588	<i>Clostridium innocuum</i>
589	<i>Clostridium intestinale</i>
590	<i>Clostridium kluuyveri</i>
591	<i>Clostridium lentocellum</i>
592	<i>Clostridium ljungdahlii</i>
593	<i>Clostridium lundense</i>
594	<i>Clostridium methylpentosum</i>
595	<i>Clostridium novyi</i>
596	<i>Clostridium paraputrificum</i>
597	<i>Clostridium pasteurianum</i>
598	<i>Clostridium perfringens</i>
599	<i>Clostridium phytofermentans</i>
600	<i>Clostridium ramosum</i>
601	<i>Clostridium saccharobutylicum</i>
602	<i>Clostridium saccharolyticum</i>
603	<i>Clostridium saccharoperbutylacetonicum</i>
604	<i>Clostridium scindens</i>
605	<i>Clostridium senegalense</i>
606	<i>Clostridium sp.</i>
607	<i>Clostridium spiroforme</i>
608	<i>Clostridium sporogenes</i>
609	<i>Clostridium sporosphaeroides</i>
610	<i>Clostridium stercorarium</i>
611	<i>Clostridium symbiosum</i>
612	<i>Clostridium tetani</i>
613	<i>Clostridium thermocellum</i>
614	<i>Clostridium tyrobutyricum</i>
615	<i>Cohnella laeviribosi</i>
616	<i>Cohnella panacarvi</i>
617	<i>Cohnella thermotolerans</i>
618	<i>Colletotrichum gloeosporioides</i>
619	<i>Collinsella intestinalis</i>
620	<i>Collinsella sp.</i>
621	<i>Collinsella stercoris</i>
622	<i>Collinsella tanakaei</i>
623	<i>Columba livia</i>
624	<i>Comamonadaceae bacterium</i>
625	<i>Comamonas badia</i>
626	<i>Comamonas composti</i>
627	<i>Comamonas testosteroni</i>
628	complete chromosome
629	<i>Conchiformibius kuhniae</i>
630	<i>Conchiformibius steedae</i>
631	<i>Condylura cristata</i>
632	<i>Conexibacter woesei</i>

633	<i>Congregibacter litoralis</i>
634	<i>Coprobacillus sp.</i>
635	<i>Coprobacter fastidiosus</i>
636	<i>Coprococcus eutactus</i>
637	<i>Coprococcus sp.</i>
638	<i>Coralimargarita akajimensis</i>
639	<i>Coralimargarita sp.</i>
640	<i>Corallococcus coralloides</i>
641	<i>Corallococcus sp.</i>
642	<i>Coriobacteriaceae bacterium</i>
643	<i>Coriobacterium glomerans</i>
644	<i>Corynebacterium bovis</i>
645	<i>Corynebacterium callunae</i>
646	<i>Corynebacterium doosanense</i>
647	<i>Corynebacterium durum</i>
648	<i>Corynebacterium jeikeium</i>
649	<i>Corynebacterium kroppenstedtii</i>
650	<i>Corynebacterium massiliense</i>
651	<i>Corynebacterium mastitidis</i>
652	<i>Corynebacterium matruchotii</i>
653	<i>Corynebacterium pseudodiphtheriticum</i>
654	<i>Corynebacterium sp.</i>
655	<i>Corynebacterium ulcerans</i>
656	<i>Cricetulus griseus</i>
657	<i>Cronobacter pulveris</i>
658	<i>Cronobacter sakazakii</i>
659	<i>Cronobacter sp.</i>
660	<i>Cronobacter turicensis</i>
661	<i>Cryptobacterium curtum</i>
662	<i>Cryptobacterium sp.</i>
663	<i>Cryptococcus gattii</i>
664	<i>Cryptococcus neoformans</i>
665	<i>Cucumibacter marinus</i>
666	<i>Cucumis melo</i>
667	<i>Culex pipiens</i>
668	<i>Cupriavidus metallidurans</i>
669	<i>Cupriavidus necator</i>
670	<i>Cupriavidus sp.</i>
671	<i>Cupriavidus taiwanensis</i>
672	<i>Curtobacterium sp.</i>
673	<i>Curvibacter gracilis</i>
674	<i>Curvibacter lanceolatus</i>
675	<i>Cyanothece sp.</i>
676	<i>Cynoglossus semilaevis</i>
677	<i>Cytophaga aurantiaca</i>
678	<i>Cytophaga fermentans</i>
679	<i>Cytophaga hutchinsonii</i>
680	<i>Cytophagaceae bacterium</i>
681	<i>Cytophagales bacterium</i>
682	<i>Danio rerio</i>
683	<i>Dasybus novemcinctus</i>
684	<i>Dechloromonas agitata</i>
685	<i>Dechloromonas aromatica</i>
686	<i>Dechlorosoma suillum</i>
687	<i>Deefgea rivuli</i>
688	<i>Deferrisoma camini</i>
689	<i>Defluviitalea saccharophila</i>
690	<i>Dehalobacter sp.</i>

691	<i>Dehalococcoides ethenogenes</i>
692	<i>Dehalococcoides mccartyi</i>
693	<i>Dehalogenimonas lykanthroporepellens</i>
694	<i>Deinococcus apachensis</i>
695	<i>Deinococcus aquatilis</i>
696	<i>Deinococcus ficus</i>
697	<i>Deinococcus frigens</i>
698	<i>Deinococcus gobiensis</i>
699	<i>Deinococcus maricopensis</i>
700	<i>Deinococcus marmoris</i>
701	<i>Deinococcus murrayi</i>
702	<i>Deinococcus peraridilitoris</i>
703	<i>Deinococcus pimensis</i>
704	<i>Deinococcus proteolyticus</i>
705	<i>Deinococcus</i> sp.
706	<i>Deinococcus wulumuqiensis</i>
707	<i>Delftia acidovorans</i>
708	<i>Delftia</i> sp.
709	<i>Delta proteobacterium</i>
710	<i>Derxia gummosa</i>
711	<i>Desmospora</i> sp.
712	<i>Desulfarculus baarsii</i>
713	<i>Desulfatibacillum aliphaticivorans</i>
714	<i>Desulfatibacillum alkenivorans</i>
715	<i>Desulfatirhabdium butyrativorans</i>
716	<i>Desulfitobacterium dichloroeliminans</i>
717	<i>Desulfitobacterium hafniense</i>
718	<i>Desulfitobacterium</i> sp.
719	<i>Desulfobacter curvatus</i>
720	<i>Desulfobacter postgatei</i>
721	<i>Desulfobacterium anilini</i>
722	<i>Desulfobacula</i> sp.
723	<i>Desulfobacula toluolica</i>
724	<i>Desulfobulbus elongatus</i>
725	<i>Desulfobulbus propionicus</i>
726	<i>Desulfocapsa sulfexigens</i>
727	<i>Desulfococcus oleovorans</i>
728	<i>Desulfocurvus vexinensis</i>
729	<i>Desulfohalobium retbaense</i>
730	<i>Desulfomicrobium escambiense</i>
731	<i>Desulfonatronum lacustre</i>
732	<i>Desulfonatronum thiodismutans</i>
733	<i>Desulfosarcina</i> sp.
734	<i>Desulfospira joergensenii</i>
735	<i>Desulfosporosinus acidiphilus</i>
736	<i>Desulfosporosinus meridiei</i>
737	<i>Desulfosporosinus youngiae</i>
738	<i>Desulfotignum balticum</i>
739	<i>Desulfotomaculum alcoholivorax</i>
740	<i>Desulfotomaculum alkaliphilum</i>
741	<i>Desulfotomaculum carboxydivorans</i>
742	<i>Desulfotomaculum gibsoniae</i>
743	<i>Desulfotomaculum kuznetsovii</i>
744	<i>Desulfotomaculum nigrificans</i>
745	<i>Desulfotomaculum ruminis</i>
746	<i>Desulfovibrio aespoeensis</i>
747	<i>Desulfovibrio africanus</i>
748	<i>Desulfovibrio alaskensis</i>

749	<i>Desulfovibrio alcoholivorans</i>
750	<i>Desulfovibrio aminophilus</i>
751	<i>Desulfovibrio</i> cf.
752	<i>Desulfovibrio cuneatus</i>
753	<i>Desulfovibrio gigas</i>
754	<i>Desulfovibrio hydrothermalis</i>
755	<i>Desulfovibrio inopinatus</i>
756	<i>Desulfovibrio longus</i>
757	<i>Desulfovibrio magneticus</i>
758	<i>Desulfovibrio oxyclinae</i>
759	<i>Desulfovibrio piezophilus</i>
760	<i>Desulfovibrio putealis</i>
761	<i>Desulfovibrio</i> sp.
762	<i>Desulfovibrio vulgaris</i>
763	<i>Desulfovibrio zosteriae</i>
764	<i>Desulfovirgula thermocuniculi</i>
765	<i>Desulfurispirillum indicum</i>
766	<i>Desulfurispora thermophila</i>
767	<i>Desulfurivibrio alkaliphilus</i>
768	<i>Desulfurococcus fermentans</i>
769	<i>Desulfuromonas</i> sp.
770	<i>Dialister invisus</i>
771	<i>Dialister</i> sp.
772	<i>Dialister succinatiphilus</i>
773	<i>Dickeya dadantii</i>
774	<i>Dickeya dianthicola</i>
775	<i>Dickeya paradisiaca</i>
776	<i>Dickeya solani</i>
777	<i>Dielma fastidiosa</i>
778	<i>Dietzia alimentaria</i>
779	<i>Dietzia</i> sp.
780	<i>Dinoroseobacter shibae</i>
781	<i>Diplorickettsia massiliensis</i>
782	<i>Donghicola xiamenensis</i>
783	<i>Dongia</i> sp.
784	<i>Drosophila ananassae</i>
785	<i>Drosophila erecta</i>
786	<i>Drosophila grimshawi</i>
787	<i>Drosophila persimilis</i>
788	<i>Drosophila pseudoobscura</i>
789	<i>Drosophila sechellia</i>
790	<i>Drosophila virilis</i>
791	<i>Drosophila willistoni</i>
792	<i>Drosophila yakuba</i>
793	<i>Duganella violaceinigra</i>
794	<i>Duganella zoogloeoides</i>
795	<i>Dyadobacter alkalitolerans</i>
796	<i>Dyadobacter beijingensis</i>
797	<i>Dyadobacter fermentans</i>
798	<i>Dyadobacter tibetensis</i>
799	<i>Dyella ginsengisoli</i>
800	<i>Dyella japonica</i>
801	<i>Dysgonomonas capnocytophagoides</i>
802	<i>Dysgonomonas gadei</i>
803	<i>Dysgonomonas mossii</i>
804	<i>Echinicola pacifica</i>
805	<i>Echinicola vietnamensis</i>
806	<i>Echinops telfairi</i>

807	<i>Edwardsiella ictaluri</i>
808	<i>Edwardsiella tarda</i>
809	<i>Eggerthella lenta</i>
810	<i>Eggerthella</i> sp.
811	<i>Eggerthia cateniformis</i>
812	<i>Eikenella corrodens</i>
813	<i>Elephantulus edwardii</i>
814	<i>Elioraea tepidiphila</i>
815	<i>Elizabethkingia anophelis</i>
816	<i>Elizabethkingia meningoseptica</i>
817	<i>Elusimicrobium minutum</i>
818	<i>Emiliana huxleyi</i>
819	<i>Empedobacter brevis</i>
820	<i>Emticicia oligotrophica</i>
821	<i>Endozoicomonas elysicola</i>
822	<i>Ensifer adhaerens</i>
823	<i>Ensifer</i> sp.
824	<i>Entamoeba dispar</i>
825	<i>Entamoeba histolytica</i>
826	<i>Entamoeba invadens</i>
827	<i>Enterobacter aerogenes</i>
828	<i>Enterobacter asburiae</i>
829	<i>Enterobacter cancerogenus</i>
830	<i>Enterobacter cloacae</i>
831	<i>Enterobacter hormaechei</i>
832	<i>Enterobacter mori</i>
833	<i>Enterobacter radicincitans</i>
834	<i>Enterobacter</i> sp.
835	Enterobacteriaceae bacterium
836	<i>Enterococcus asini</i>
837	<i>Enterococcus caccae</i>
838	<i>Enterococcus cecorum</i>
839	<i>Enterococcus columbae</i>
840	<i>Enterococcus durans</i>
841	<i>Enterococcus faecalis</i>
842	<i>Enterococcus faecium</i>
843	<i>Enterococcus gilvus</i>
844	<i>Enterococcus haemoperoxidus</i>
845	<i>Enterococcus mundtii</i>
846	<i>Enterococcus pallens</i>
847	<i>Enterococcus phoeniculicola</i>
848	<i>Enterococcus raffinosus</i>
849	<i>Enterococcus villorum</i>
850	<i>Enterorhabdus caecimuris</i>
851	<i>Enterorhabdus mucosicola</i>
852	<i>Entomoplasma melaleuca</i>
853	<i>Epilithonimonas tenax</i>
854	<i>Eptesicus fuscus</i>
855	<i>Equus caballus</i>
856	<i>Equus przewalskii</i>
857	<i>Erinaceus europaeus</i>
858	<i>Erwinia billingiae</i>
859	<i>Erwinia pyrifoliae</i>
860	<i>Erwinia toletana</i>
861	Erysipelotrichaceae bacterium
862	<i>Erythrobacter litoralis</i>
863	<i>Erythrobacter</i> sp.
864	<i>Escherichia albertii</i>

865	<i>Escherichia fergusonii</i>
866	<i>Escherichia</i> sp.
867	<i>Ethanoligenens harbinense</i>
868	Eubacteriaceae bacterium
869	<i>Eubacterium bifforme</i>
870	<i>Eubacterium brachy</i>
871	<i>Eubacterium cellulosolvens</i>
872	<i>Eubacterium coprostanoligenes</i>
873	<i>Eubacterium cylindroides</i>
874	<i>Eubacterium desmolans</i>
875	<i>Eubacterium dolichum</i>
876	<i>Eubacterium eligens</i>
877	<i>Eubacterium limosum</i>
878	<i>Eubacterium plexicaudatum</i>
879	<i>Eubacterium ramulus</i>
880	<i>Eubacterium saburreum</i>
881	<i>Eubacterium</i> sp.
882	<i>Eubacterium ventriosum</i>
883	<i>Eubacterium xylanophilum</i>
884	<i>Eubacterium yurii</i>
885	<i>Eutrema salsugineum</i>
886	<i>Eutypa lata</i>
887	<i>Exiguobacterium antarcticum</i>
888	<i>Exiguobacterium aurantiacum</i>
889	<i>Exiguobacterium pavilionensis</i>
890	<i>Exiguobacterium sibiricum</i>
891	<i>Exiguobacterium</i> sp.
892	<i>Exophiala dermatitidis</i>
893	<i>Facklamia ignava</i>
894	<i>Falco cherrug</i>
895	<i>Fangia hongkongensis</i>
896	<i>Felis catus</i>
897	<i>Ferrimonas balearica</i>
898	<i>Ferrimonas futtsuensis</i>
899	<i>Ferrimonas kyonanensis</i>
900	<i>Ferrimonas senticii</i>
901	<i>Ferroplasma acidarmanus</i>
902	<i>Ferrovum myxofaciens</i>
903	<i>Fervidibacteria bacterium</i>
904	<i>Fibrella aestuarina</i>
905	<i>Fibrobacter succinogenes</i>
906	<i>Ficedula albicollis</i>
907	<i>Finegoldia magna</i>
908	Firmicutes bacterium
909	Flavobacteriaceae bacterium
910	<i>Flavobacterium anhuiense</i>
911	<i>Flavobacterium antarcticum</i>
912	<i>Flavobacterium chungangense</i>
913	<i>Flavobacterium daejeonense</i>
914	<i>Flavobacterium denitrificans</i>
915	<i>Flavobacterium indicum</i>
916	<i>Flavobacterium psychrophilum</i>
917	<i>Flavobacterium soli</i>
918	<i>Flavobacterium</i> sp.
919	<i>Flavobacterium subsaxonicum</i>
920	<i>Flavobacterium succinicans</i>
921	<i>Flavonifractor plautii</i>
922	<i>Flectobacillus major</i>

923	<i>Flexibacter elegans</i>
924	<i>Flexibacter litoralis</i>
925	<i>Flexithrix dorotheae</i>
926	<i>Fluoribacter dumoffii</i>
927	<i>Francisella philomiragia</i>
928	<i>Frankia</i> sp.
929	<i>Frankia</i> symbiont
930	<i>Frateuria aurantia</i>
931	<i>Fusobacterium gonidiaformans</i>
932	<i>Fusobacterium mortiferum</i>
933	<i>Fusobacterium nucleatum</i>
934	<i>Fusobacterium perfoetens</i>
935	<i>Fusobacterium</i> sp.
936	<i>Fusobacterium ulcerans</i>
937	<i>Galeopterus variegatus</i>
938	<i>Gallibacterium anatis</i>
939	<i>Gallionella capsiferiformans</i>
940	<i>Gallus gallus</i>
941	gamma proteobacterium
942	Gamma proteobacterium
943	<i>Gardnerella vaginalis</i>
944	<i>Geitlerinema</i> sp.
945	<i>Gelidibacter mesophilus</i>
946	<i>Gemella bergeriae</i>
947	<i>Gemella moribillum</i>
948	<i>Gemella sanguinis</i>
949	<i>Geminococcus roseus</i>
950	<i>Geminocystis herdmanii</i>
951	<i>Gemmata obscuriglobus</i>
952	<i>Gemmatimonadetes bacterium</i>
953	<i>Gemmatimonas aurantiaca</i>
954	<i>Gemmobacter nectariphilus</i>
955	<i>Geobacillus caldoxylosilyticus</i>
956	<i>Geobacillus</i> sp.
957	<i>Geobacillus vulcani</i>
958	<i>Geobacter bemidjiensis</i>
959	<i>Geobacter bremensis</i>
960	<i>Geobacter daltonii</i>
961	<i>Geobacter lovleyi</i>
962	<i>Geobacter metallireducens</i>
963	<i>Geobacter</i> sp.
964	<i>Geobacter sulfurreducens</i>
965	<i>Geobacter uraniireducens</i>
966	<i>Geodermatophilaceae bacterium</i>
967	<i>Geospiza fortis</i>
968	<i>Geothrix fermentans</i>
969	<i>Gilvimirinus chinensis</i>
970	<i>Glaciecola nitratireducens</i>
971	<i>Glaciibacter superstes</i>
972	<i>Gloeobacter kilauensis</i>
973	<i>Glomeribacter</i> sp.
974	<i>Gluconacetobacter diazotrophicus</i>
975	<i>Gluconacetobacter europaeus</i>
976	<i>Gluconacetobacter hansenii</i>
977	<i>Gluconacetobacter</i> sp.
978	<i>Gluconacetobacter xylinus</i>
979	<i>Gluconobacter frateurii</i>
980	<i>Gluconobacter oxydans</i>

981	<i>Glycine max</i>
982	<i>Glycomyces</i> sp.
983	<i>Glycomyces tenuis</i>
984	<i>Gordonia bronchialis</i>
985	<i>Gordonia hirsuta</i>
986	<i>Gordonia kroppenstedtii</i>
987	<i>Gordonia polyisoprenivorans</i>
988	<i>Gordonibacter pamelaee</i>
989	<i>Gorilla gorilla</i>
990	<i>Gracilibacillus lacisalsi</i>
991	<i>Gracilibacter thermotolerans</i>
992	<i>Gracilimonas tropica</i>
993	<i>Gramella echinicola</i>
994	<i>Gramella forsetii</i>
995	<i>Gramella portivictoriae</i>
996	<i>Granulicatella adiacens</i>
997	<i>Granulicella mallensis</i>
998	<i>Granulicella tundricola</i>
999	<i>Granulicoccus phenolivorans</i>
1000	<i>Guillardia theta</i>
1001	<i>Gulosibacter molinativorax</i>
1002	<i>Haemophilus influenzae</i>
1003	<i>Haemophilus parainfluenzae</i>
1004	<i>Haemophilus parasuis</i>
1005	<i>Haemophilus somnus</i>
1006	<i>Hafnia alvei</i>
1007	<i>Hahella chejuensis</i>
1008	<i>Halanaerobium hydrogeniformans</i>
1009	<i>Halanaerobium praevalens</i>
1010	<i>Haliangium ochraceum</i>
1011	<i>Haliea salexigens</i>
1012	<i>Haliscomenobacter hydrossis</i>
1013	<i>Hallella seregens</i>
1014	<i>Haloarcula marismortui</i>
1015	<i>Halobacteroides halobius</i>
1016	<i>Halobiforma lacisalsi</i>
1017	<i>Halococcus hamelinensis</i>
1018	<i>Haloferax volcanii</i>
1019	<i>Halogeometricum borinquense</i>
1020	<i>Halomicrobium mukohataei</i>
1021	<i>Halomonas alkaliantarctica</i>
1022	<i>Halomonas anticariensis</i>
1023	<i>Halomonas boliviensis</i>
1024	<i>Halomonas jeotgali</i>
1025	<i>Halomonas lutea</i>
1026	<i>Halomonas smyrnensis</i>
1027	<i>Halomonas</i> sp.
1028	<i>Halomonas stevensii</i>
1029	<i>Halomonas zincidurans</i>
1030	<i>Halonatronum saccharophilum</i>
1031	<i>Halophilic archaeon</i>
1032	<i>Halorhodospira halochloris</i>
1033	<i>Halorhodospira halophila</i>
1034	<i>Halorubrum</i> sp.
1035	<i>Halotalea alkalilenta</i>
1036	<i>Haloterrigena turkmenica</i>
1037	<i>Halothiobacillus neapolitanus</i>
1038	<i>Hamadaea tsunoensis</i>

1039	<i>Helcococcus sueciensis</i>
1040	<i>Helicobacter pylori</i>
1041	<i>Heliobacterium modesticaldum</i>
1042	<i>Helobdella robusta</i>
1043	<i>Herbaspirillum lusitanum</i>
1044	<i>Herbaspirillum massiliense</i>
1045	<i>Herbaspirillum rubrisubalbicans</i>
1046	<i>Herbaspirillum seropedicae</i>
1047	<i>Herbidospora cretacea</i>
1048	<i>Herminiimonas arsenicoxydans</i>
1049	<i>Herminiimonas</i> sp.
1050	<i>Heterocephalus glaber</i>
1051	<i>Hevea brasiliensis</i>
1052	<i>Hippea alviniae</i>
1053	<i>Hippea</i> sp.
1054	<i>Hoeflea phototrophica</i>
1055	<i>Hoeflea</i> sp.
1056	<i>Holophaga foetida</i>
1057	<i>Homo sapiens</i>
1058	<i>Humibacter albus</i>
1059	<i>Hydra magnipapillata</i>
1060	<i>Hymenobacter aerophilus</i>
1061	<i>Hymenobacter norwichensis</i>
1062	<i>Hyphomicrobium denitrificans</i>
1063	<i>Hyphomicrobium nitratorans</i>
1064	<i>Hyphomicrobium zavarzinii</i>
1065	<i>Ichthyophthirius multifiliis</i>
1066	<i>Ideonella</i> sp.
1067	<i>Idiomarina sediminum</i>
1068	<i>Ignavibacterium album</i>
1069	<i>Ignavigranum ruoffiae</i>
1070	<i>Inquilinus limosus</i>
1071	<i>Intestinimonas butyriciproducens</i>
1072	<i>Isoptericola variabilis</i>
1073	<i>Isosphaera pallida</i>
1074	<i>Ixodes scapularis</i>
1075	<i>Jaculus jaculus</i>
1076	<i>Janthinobacterium lividum</i>
1077	<i>Janthinobacterium</i> sp.
1078	<i>Jeotgalicoccus marinus</i>
1079	<i>Jeotgalicoccus psychrophilus</i>
1080	<i>Johnsonella ignava</i>
1081	<i>Jonquetella anthropi</i>
1082	<i>Joostella marina</i>
1083	<i>Kaistia adipata</i>
1084	<i>Kaistia granuli</i>
1085	<i>Kandleria vitulina</i>
1086	<i>Kangiella aquimarina</i>
1087	<i>Kangiella koreensis</i>
1088	<i>Ketogulonigenium vulgare</i>
1089	<i>Kiloniella laminariae</i>
1090	<i>Kineococcus radiotolerans</i>
1091	<i>Kingella denitrificans</i>
1092	<i>Kingella kingae</i>
1093	<i>Kingella oralis</i>
1094	<i>Kitasatospora setae</i>
1095	<i>Klebsiella oxytoca</i>
1096	<i>Klebsiella pneumoniae</i>

1097	<i>Klebsiella</i> sp.
1098	<i>Kocuria atrinae</i>
1099	<i>Kocuria rhizophila</i>
1100	<i>Kocuria</i> sp.
1101	<i>Kordia algicida</i>
1102	<i>Kordiimonas gwangyangensis</i>
1103	<i>Kozakia baliensis</i>
1104	<i>Kribbella catacumbae</i>
1105	<i>Kribbella flavida</i>
1106	<i>Kushneria aurantia</i>
1107	<i>Kytococcus sedentarius</i>
1108	<i>Labrenzia alexandrii</i>
1109	<i>Labrenzia</i> sp.
1110	<i>Laceyella sacchari</i>
1111	<i>Lachnobacterium bovis</i>
1112	<i>Lachnoclostridium phytofermentans</i>
1113	<i>Lachnospira multipara</i>
1114	<i>Lachnospiraceae bacterium</i>
1115	<i>Lachnospiraceae oral</i>
1116	<i>Lacinutrix</i> sp.
1117	<i>Lactobacillus casei</i>
1118	<i>Lactobacillus delbrueckii</i>
1119	<i>Lactobacillus fructivorans</i>
1120	<i>Lactobacillus gasserii</i>
1121	<i>Lactobacillus harbinensis</i>
1122	<i>Lactobacillus hayakitensis</i>
1123	<i>Lactobacillus helveticus</i>
1124	<i>Lactobacillus iners</i>
1125	<i>Lactobacillus jensenii</i>
1126	<i>Lactobacillus johnsonii</i>
1127	<i>Lactobacillus kisonensis</i>
1128	<i>Lactobacillus namurensis</i>
1129	<i>Lactobacillus reuteri</i>
1130	<i>Lactobacillus rhamnosus</i>
1131	<i>Lactobacillus ruminis</i>
1132	<i>Lactobacillus salivarius</i>
1133	<i>Lactobacillus shenzhenensis</i>
1134	<i>Lactobacillus suebicus</i>
1135	<i>Lactococcus lactis</i>
1136	<i>Lactococcus raffinolactis</i>
1137	<i>Lamprocystis purpurea</i>
1138	<i>Laribacter hongkongensis</i>
1139	<i>Latimeria chalumnae</i>
1140	<i>Lautropia mirabilis</i>
1141	<i>Lawsonia intracellularis</i>
1142	<i>Leadbetterella byssophila</i>
1143	<i>Lechevalieria aerocolonigenes</i>
1144	<i>Leeia oryzae</i>
1145	<i>Leeuwenhoekella blandensis</i>
1146	<i>Leeuwenhoekella</i> sp.
1147	<i>Legionella drancourtii</i>
1148	<i>Legionella wadsworthii</i>
1149	<i>Leifsonia aquatica</i>
1150	<i>Leisingera aquimarina</i>
1151	<i>Leisingera nanhaiensis</i>
1152	<i>Leminorella grimontii</i>
1153	<i>Lentzea albidocapillata</i>
1154	<i>Lepisosteus oculatus</i>

1155	<i>Leptonychotes weddellii</i>
1156	<i>Leptosphaeria maculans</i>
1157	<i>Leptospira interrogans</i>
1158	<i>Leptotrichia goodfellowii</i>
1159	<i>Leptotrichia</i> sp.
1160	<i>Leucobacter chromiirestiens</i>
1161	<i>Leucobacter chalsicius</i>
1162	<i>Leucobacter</i> sp.
1163	<i>Leuconostoc carnosum</i>
1164	<i>Leuconostoc mesenteroides</i>
1165	<i>Leucothrix mucor</i>
1166	<i>Lewinella cohaerens</i>
1167	<i>Lewinella persica</i>
1168	<i>Limnohabitans</i> sp.
1169	<i>Lipotés vexillifer</i>
1170	<i>Listeria grayi</i>
1171	<i>Listeria innocua</i>
1172	<i>Listeria monocytogenes</i>
1173	<i>Listeria seeligeri</i>
1174	<i>Listeria welshimeri</i>
1175	<i>Loa loa</i>
1176	<i>Loktanella hongkongensis</i>
1177	<i>Longispora albida</i>
1178	<i>Lottia gigantea</i>
1179	<i>Loxodonta africana</i>
1180	<i>Luteimonas huabeiensis</i>
1181	<i>Luteimonas mephitis</i>
1182	<i>Lutispora thermophila</i>
1183	<i>Lyngbya majuscula</i>
1184	<i>Lysinibacillus boronitolerans</i>
1185	<i>Lysinibacillus sphaericus</i>
1186	<i>Lysobacter antibioticus</i>
1187	<i>Macaca mulatta</i>
1188	<i>Magnetococcus marinus</i>
1189	<i>Magnetospirillum gryphiswaldense</i>
1190	<i>Magnetospirillum magneticum</i>
1191	<i>Mahella australiensis</i>
1192	<i>Malus</i> x
1193	<i>Manacus vitellinus</i>
1194	<i>Manihot esculenta</i>
1195	<i>Mannheimia haemolytica</i>
1196	marine actinobacterium
1197	marine gamma
1198	<i>Marinilabilia salmonicolor</i>
1199	<i>Marinimicrobia bacterium</i>
1200	<i>Marinimicrobium agarilyticum</i>
1201	<i>Marinimicrobium</i> sp.
1202	<i>Marinitoga piezophila</i>
1203	<i>Marinobacter adhaerens</i>
1204	<i>Marinobacter daepoensis</i>
1205	<i>Marinobacter lipolyticus</i>
1206	<i>Marinobacter</i> sp.
1207	<i>Marinobacterium rhizophilum</i>
1208	<i>Marinobacterium stanieri</i>
1209	<i>Marinomonas</i> sp.
1210	<i>Mariprofundus ferrooxydans</i>
1211	<i>Maritimibacter alkaliphilus</i>
1212	<i>Marivirga tractuosa</i>

1213	<i>Marmoricola</i> sp.
1214	<i>Martelevella mediterranea</i>
1215	<i>Martelevella</i> sp.
1216	<i>Massilia alkalitolerans</i>
1217	<i>Massilia niastensis</i>
1218	<i>Massilia timonae</i>
1219	<i>Mastigocoleus testarum</i>
1220	<i>Maylandia zebra</i>
1221	<i>Megamonas funiformis</i>
1222	<i>Megamonas hypermegale</i>
1223	<i>Megamonas rupellensis</i>
1224	<i>Megasphaera elsdenii</i>
1225	<i>Meiothermus cerbereus</i>
1226	<i>Meiothermus chliarophilus</i>
1227	<i>Meiothermus ruber</i>
1228	<i>Meiothermus rufus</i>
1229	<i>Meiothermus taiwanensis</i>
1230	<i>Meiothermus timidus</i>
1231	<i>Meleagris gallopavo</i>
1232	<i>Melitea salexigens</i>
1233	<i>Melopsittacus undulatus</i>
1234	<i>Meniscus glaucopis</i>
1235	<i>Merops nubicus</i>
1236	<i>Mesocricetus auratus</i>
1237	<i>Mesoflavibacter zeaxanthinifaciens</i>
1238	<i>Mesonia mobilis</i>
1239	<i>Mesoplasma syrphidae</i>
1240	<i>Mesorhizobium australicum</i>
1241	<i>Mesorhizobium ciceri</i>
1242	<i>Mesorhizobium loti</i>
1243	<i>Mesorhizobium</i> sp.
1244	<i>Metascardovia criceti</i>
1245	<i>Metaseiulus occidentalis</i>
1246	<i>Methanobrevibacter ruminantium</i>
1247	<i>Methanobrevibacter smithii</i>
1248	<i>Methanococcus voltae</i>
1249	<i>Methanoculleus marisnigri</i>
1250	<i>Methanomassiliicoccus luminyensis</i>
1251	<i>Methanomassiliicoccus</i> sp.
1252	<i>Methanosarcina acetivorans</i>
1253	<i>Methanosphaera stadtmanae</i>
1254	<i>Methanothermobacter fervidus</i>
1255	<i>Methylacidiphilum infernorum</i>
1256	<i>Methylbium petroleiphilum</i>
1257	<i>Methylobacillus flagellatus</i>
1258	<i>Methylobacillus glycogenes</i>
1259	<i>Methylobacter luteus</i>
1260	<i>Methylobacter tundripaludum</i>
1261	<i>Methylobacterium extorquens</i>
1262	<i>Methylobacterium nodulans</i>
1263	<i>Methylobacterium radiotolerans</i>
1264	<i>Methylobacterium</i> sp.
1265	<i>Methylodendron szegediense</i>
1266	<i>Methyllocapsa acidiphila</i>
1267	<i>Methylocella silvestris</i>
1268	<i>Methylocystis parvus</i>
1269	<i>Methylocystis</i> sp.
1270	<i>Methylolalobius crimeensis</i>

1271	<i>Methylomarinum vadi</i>
1272	<i>Methylomicrobium agile</i>
1273	<i>Methylomicrobium buryatense</i>
1274	<i>Methylomonas methanica</i>
1275	<i>Methylophaga</i> sp.
1276	<i>Methylophilaceae</i> bacterium
1277	<i>Methylophilus methylotrophus</i>
1278	<i>Methylophilus</i> sp.
1279	<i>Methylopila</i> sp.
1280	<i>Methylosarcina fibrata</i>
1281	<i>Methylosarcina lacus</i>
1282	<i>Methylosinus</i> sp.
1283	<i>Methylotenera versatilis</i>
1284	<i>Methyloversatilis</i> sp.
1285	<i>Methyloversatilis universalis</i>
1286	<i>Methylovorus glucosetrophus</i>
1287	<i>Methylovorus</i> sp.
1288	<i>Methylovulum miyakonense</i>
1289	<i>Micavibrio aeruginosavorus</i>
1290	<i>Microbacterium gubbeenense</i>
1291	<i>Microbacterium indicum</i>
1292	<i>Microbacterium luticocti</i>
1293	<i>Microbacterium maritypicum</i>
1294	<i>Microbacterium paraoxydans</i>
1295	<i>Microbacterium</i> sp.
1296	<i>Microbacterium testaceum</i>
1297	<i>Microbacterium yannicii</i>
1298	<i>Microbulbifer agarilyticus</i>
1299	<i>Microbulbifer variabilis</i>
1300	<i>Micrococcus luteus</i>
1301	<i>Microcystis aeruginosa</i>
1302	<i>Micromonas</i> sp.
1303	<i>Micromonospora globosa</i>
1304	<i>Micromonospora parva</i>
1305	<i>Micromonospora purpureochromogenes</i>
1306	<i>Microplitis demolitor</i>
1307	<i>Microtraspota glauca</i>
1308	<i>Microtus ochrogaster</i>
1309	<i>Microvirga</i> sp.
1310	<i>Microvirgula aerodenitrificans</i>
1311	<i>Mitsuokella multacida</i>
1312	<i>Mitsuokella</i> sp.
1313	<i>Mobiluncus curtisii</i>
1314	<i>Modestobacter marinus</i> ,
1315	<i>Monodelphis domestica</i>
1316	<i>Moorella thermoacetica</i>
1317	<i>Moraxella boevrei</i>
1318	<i>Moraxella catarrhalis</i>
1319	<i>Morganella morgani</i>
1320	<i>Mucilaginibacter paludis</i>
1321	<i>Mucispirillum schaedleri</i>
1322	<i>Muricauda ruestringensis</i>
1323	<i>Mus musculus</i>
1324	<i>Musca domestica</i>
1325	<i>Mustela putorius</i>
1326	<i>Myceliophthora thermophila</i>
1327	<i>Mycobacterium abscessus</i>
1328	<i>Mycobacterium avium</i>

1329	<i>Mycobacterium canettii</i>
1330	<i>Mycobacterium chubuense</i>
1331	<i>Mycobacterium gilvum</i>
1332	<i>Mycobacterium hassiacum</i>
1333	<i>Mycobacterium iranicum</i>
1334	<i>Mycobacterium neoaurum</i>
1335	<i>Mycobacterium parascrofulaceum</i>
1336	<i>Mycobacterium smegmatis</i>
1337	<i>Mycobacterium</i> sp.
1338	<i>Mycobacterium ulcerans</i>
1339	<i>Mycoplasma bovis</i>
1340	<i>Mycoplasma capricolum</i>
1341	<i>Mycoplasma cynos</i>
1342	<i>Mycoplasma gallisepticum</i>
1343	<i>Mycoplasma glycyphilum</i>
1344	<i>Mycoplasma hominis</i>
1345	<i>Mycoplasma moatsii</i>
1346	<i>Mycoplasma mycoides</i>
1347	<i>Mycoplasma penetrans</i>
1348	<i>Mycoplasma salivarium</i>
1349	<i>Mycoplasma simbae</i>
1350	<i>Mycoplasma</i> sp.
1351	<i>Mycoplasma synoviae</i>
1352	<i>Myotis brandtii</i>
1353	<i>Myotis davidii</i>
1354	<i>Myotis lucifugus</i>
1355	<i>Myroides injenensis</i>
1356	<i>Myroides odoratimimus</i>
1357	<i>Myxococcus fulvus</i>
1358	<i>Myxococcus stipitatus</i>
1359	<i>Myxococcus xanthus</i>
1360	<i>Nafulsella turpanensis</i>
1361	<i>Nakamurella lactea</i>
1362	<i>Nakamurella multipartita</i>
1363	<i>Nannospalax galili</i>
1364	<i>Nasonia vitripennis</i>
1365	<i>Natronobacterium gregoryi</i>
1366	<i>Natronomonas pharaonis</i>
1367	<i>Nautilia profundicola</i>
1368	<i>Nectria haematococca</i>
1369	<i>Neisseria bacilliformis</i>
1370	<i>Neisseria gonorrhoeae</i>
1371	<i>Neisseria lactamica</i>
1372	<i>Neisseria meningitidis</i>
1373	<i>Neisseria shayegani</i>
1374	<i>Neisseria sicca</i>
1375	<i>Neisseria</i> sp.
1376	<i>Neisseria wadsworthii</i>
1377	<i>Nematostella vectensis</i>
1378	<i>Neofusicoccum parvum</i>
1379	<i>Neosartorya fischeri</i>
1380	<i>Nesterenkonia alba</i>
1381	<i>Neurospora crassa</i>
1382	<i>Nevskia ramosa</i>
1383	<i>Nevskia soli</i>
1384	<i>Niastella korensis</i>
1385	<i>Nicotiana tabacum</i>
1386	<i>Nisaea denitrificans</i>

1387	<i>Nitratireductor aquibiodomus</i>
1388	<i>Nitrobacter hamburgensis</i>
1389	<i>Nitrobacter</i> sp.
1390	<i>Nitrobacter winogradskyi</i>
1391	<i>Nitrococcus mobilis</i>
1392	<i>Nitrosococcus oceani</i>
1393	<i>Nitrosococcus watsonii</i>
1394	<i>Nitrosomonas eutropha</i>
1395	<i>Nitrosomonas</i> sp.
1396	<i>Nitrospira briensis</i>
1397	<i>Nitrospina gracilis</i>
1398	<i>Nitrospirillum amazonense</i>
1399	<i>Nocardia brasiliensis</i>
1400	<i>Nocardia farcinica</i>
1401	<i>Nocardia otitidiscaviarum</i>
1402	<i>Nocardia rhamnosiphila</i>
1403	<i>Nocardia</i> sp.
1404	<i>Nocardioidaceae</i> bacterium
1405	<i>Nocardioides halotolerans</i>
1406	<i>Nocardioides koreensis</i>
1407	<i>Nocardioides</i> sp.
1408	<i>Nocardiopsis alba</i>
1409	<i>Nocardiopsis dassonvillei</i>
1410	<i>Nocardiopsis gilva</i>
1411	<i>Nocardiopsis halotolerans</i>
1412	<i>Nocardiopsis kunsanensis</i>
1413	<i>Nocardiopsis potens</i>
1414	<i>Nocardiopsis prasina</i>
1415	<i>Nocardiopsis valliformis</i>
1416	<i>Nocardiopsis xinjiangensis</i>
1417	<i>Nodosilinea nodulosa</i>
1418	<i>Nomascus leucogenys</i>
1419	<i>Nonlabens tegetincola</i>
1420	<i>Nostoc</i> sp.
1421	<i>Novospirillum itersonii</i>
1422	<i>Novosphingobium acidiphilum</i>
1423	<i>Novosphingobium lindaniclasticum</i>
1424	<i>Oceanicaulis alexandrii</i>
1425	<i>Oceanicola granulosus</i>
1426	<i>Oceanicola nanhaiensis</i>
1427	<i>Oceanicola</i> sp.
1428	<i>Oceanimonas smirnovii</i>
1429	<i>Oceanimonas</i> sp.
1430	<i>Oceanithermus profundus</i>
1431	<i>Oceanobacter kriegii</i>
1432	<i>Oceanospirillum beijinginckii</i>
1433	<i>Oceanospirillum</i> sp.
1434	<i>Ochotona princeps</i>
1435	<i>Ochrobactrum rhizosphaerae</i>
1436	<i>Ochrobactrum</i> sp.
1437	<i>Octadecabacter antarcticus</i>
1438	<i>Octadecabacter arcticus</i>
1439	<i>Octodon degus</i>
1440	<i>Odobenus rosmarus</i>
1441	<i>Odoribacter laneus</i>
1442	<i>Odoribacter</i> sp.
1443	<i>Oenococcus kitaharae</i>
1444	<i>Oerskovia turbata</i>

1445	<i>Oligella ureolytica</i>
1446	<i>Oligotropha carboxidovorans</i>
1447	<i>Olleya</i> sp.
1448	<i>Olsenella</i> sp.
1449	<i>Olsenella uli</i>
1450	Onion yellows
1451	<i>Opisthorchis viverrini</i>
1452	<i>Opitutaceae</i> bacterium
1453	<i>Opitutus terrae</i>
1454	<i>Orcinus orca</i>
1455	<i>Oreochromis niloticus</i>
1456	<i>Oribacterium sinus</i>
1457	<i>Oribacterium</i> sp.
1458	<i>Ornithorhynchus anatinus</i>
1459	<i>Orycteropus afer</i>
1460	<i>Oryctolagus cuniculus</i>
1461	<i>Oryza brachyantha</i>
1462	<i>Oryzias latipes</i>
1463	<i>Oscillatoria</i> sp.
1464	<i>Oscillibacter ruminantium</i>
1465	<i>Oscillibacter</i> sp.
1466	<i>Oscillibacter valericigenes</i>
1467	<i>Oscillochloris trichoides</i>
1468	<i>Oscillospiraceae</i> bacterium
1469	<i>Ostreococcus lucimarinus</i>
1470	<i>Ostreococcus tauri</i>
1471	<i>Otolemur garnettii</i>
1472	<i>Ottowia thiooxydans</i>
1473	<i>Ovis aries</i>
1474	<i>Owenweeksia hongkongensis</i>
1475	<i>Oxalobacter formigenes</i>
1476	<i>Oxalobacteraceae</i> bacterium
1477	<i>Paenibacillus alginolyticus</i>
1478	<i>Paenibacillus azotofixans</i>
1479	<i>Paenibacillus barcinonensis</i>
1480	<i>Paenibacillus ehimensis</i>
1481	<i>Paenibacillus fonticola</i>
1482	<i>Paenibacillus forsythiae</i>
1483	<i>Paenibacillus ginsengihumi</i>
1484	<i>Paenibacillus graminis</i>
1485	<i>Paenibacillus larvae</i>
1486	<i>Paenibacillus massiliensis</i>
1487	<i>Paenibacillus mucilaginosus</i>
1488	<i>Paenibacillus panacisoli</i>
1489	<i>Paenibacillus pasadenensis</i>
1490	<i>Paenibacillus pinihumi</i>
1491	<i>Paenibacillus polymyxa</i>
1492	<i>Paenibacillus</i> sp.
1493	<i>Paenibacillus taiwanensis</i>
1494	<i>Paenibacillus terrae</i>
1495	<i>Paenibacillus terrigena</i>
1496	<i>Paenisporosarcina</i> sp.
1497	<i>Paludibacter propionicigenes</i>
1498	<i>Paludibacterium yongneupense</i>
1499	<i>Pandoraea pnomenusa</i>
1500	<i>Pandoraea</i> sp.
1501	<i>Pannonibacter phragmitetus</i>
1502	<i>Panthera tigris</i>

1503	<i>Pantholops hodgsonii</i>
1504	<i>Pantoea ananatis</i>
1505	<i>Pantoea dispersa</i>
1506	<i>Pantoea</i> sp.
1507	<i>Papio anubis</i>
1508	<i>Paracoccus aminophilus</i>
1509	<i>Paracoccus denitrificans</i>
1510	<i>Paracoccus pantotrophus</i>
1511	<i>Paracoccus</i> sp.
1512	<i>Paracoccus zeaxanthinifaciens</i>
1513	<i>Paramecium tetraurelia</i>
1514	<i>Paraprevotella clara</i>
1515	<i>Paraprevotella xylaniphila</i>
1516	<i>Parascardovia denticolens</i>
1517	<i>Parasutterella excrementihominis</i>
1518	<i>Parasutterella secunda</i>
1519	<i>Parcubacteria bacterium</i>
1520	<i>Parvibaculum lavamentivorans</i>
1521	<i>Parvimonas micra</i>
1522	<i>Parvularcula bermudensis</i>
1523	<i>Parvularcula oceani</i>
1524	<i>Pasteurella dagmatis</i>
1525	<i>Pectobacterium atrosepticum</i>
1526	<i>Pectobacterium carotovorum</i>
1527	<i>Pectobacterium</i> sp.
1528	<i>Pediococcus clausenii</i>
1529	<i>Pediococcus pentosaceus</i>
1530	<i>Pedobacter agri</i>
1531	<i>Pedobacter arcticus</i>
1532	<i>Pedobacter borealis</i>
1533	<i>Pelagibaca bermudensis</i>
1534	<i>Pelagibacterium halotolerans</i>
1535	<i>Pelobacter carbinolicus</i>
1536	<i>Pelobacter propionicus</i>
1537	<i>Pelobacter seleniigenes</i>
1538	<i>Pelodictyon phaeoclathratiforme</i>
1539	<i>Pelodiscus sinensis</i>
1540	<i>Pelomonas saccharophila</i>
1541	<i>Pelomonas</i> sp.
1542	<i>Peptoclostridium difficile</i>
1543	<i>Peptoniphilus duerdenii</i>
1544	<i>Peptoniphilus indolicus</i>
1545	<i>Peptoniphilus rhinitidis</i>
1546	<i>Peptoniphilus</i> sp.
1547	<i>Peptostreptococcaceae bacterium</i>
1548	<i>Peptostreptococcus anaerobius</i>
1549	<i>Perkinsus marinus</i>
1550	<i>Peromyscus maniculatus</i>
1551	<i>Phaeobacter arcticus</i>
1552	<i>Phaeobacter caeruleus</i>
1553	<i>Phaeobacter daeponensis</i>
1554	<i>Phaeobacter inhibens</i>
1555	<i>Phanerochaete carnosa</i>
1556	<i>Phaseolus vulgaris</i>
1557	<i>Phoenix dactylifera</i>
1558	<i>Photobacterium halotolerans</i>
1559	<i>Photobacterium profundum</i>
1560	<i>Photorhabdus luminescens</i>

1561	<i>Physcomitrella patens</i>
1562	<i>Phytophthora infestans</i>
1563	<i>Phytophthora parasitica</i>
1564	<i>Picea abies</i>
1565	<i>Pilimelia anulata</i>
1566	<i>Pirellula staleyi</i>
1567	<i>Piscirickettsia salmonis</i>
1568	<i>Planctomyces brasiliensis</i>
1569	<i>Planctomyces limnophilus</i>
1570	<i>Plasmodium cynomolgi</i>
1571	<i>Plasmodium falciparum</i>
1572	<i>Pleomorphomonas koreensis</i>
1573	<i>Pleomorphomonas oryzae</i>
1574	<i>Plesiomonas shigelloides</i>
1575	<i>Pleurocapsa</i> sp.
1576	<i>Podospora anserina</i>
1577	<i>Poecilia formosa</i>
1578	<i>Poecilia reticulata</i>
1579	<i>Polaribacter irgensii</i>
1580	<i>Polaromonas glacialis</i>
1581	<i>Polaromonas naphthalenivorans</i>
1582	<i>Polaromonas</i> sp.
1583	<i>Polycyclovorans algicola</i>
1584	<i>Polymorphum gilvum</i>
1585	<i>Pongo abelii</i>
1586	<i>Pontibacter actiniarum</i>
1587	<i>Pontibacter roseus</i>
1588	<i>Populus fremontii</i>
1589	<i>Populus trichocarpa</i>
1590	<i>Poribacteria bacterium</i>
1591	<i>Porphyrobacter cryptus</i>
1592	<i>Porphyrobacter</i> sp.
1593	<i>Porphyromonas bennonis</i>
1594	<i>Porphyromonas cangingivalis</i>
1595	<i>Porphyromonas catoniae</i>
1596	<i>Porphyromonas gingivalis</i>
1597	<i>Porphyromonas gingivicanis</i>
1598	<i>Porphyromonas gulae</i>
1599	<i>Porphyromonas levii</i>
1600	<i>Porphyromonas macacae</i>
1601	<i>Porphyromonas somerae</i>
1602	<i>Porphyromonas</i> sp.
1603	<i>Porphyromonas uenonis</i>
1604	<i>Postia placenta</i>
1605	<i>Prauserella rugosa</i>
1606	<i>Prevotella albensis</i>
1607	<i>Prevotella amnii</i>
1608	<i>Prevotella aurantiaca</i>
1609	<i>Prevotella baroniae</i>
1610	<i>Prevotella bergensis</i>
1611	<i>Prevotella bivia</i>
1612	<i>Prevotella brevis</i>
1613	<i>Prevotella bryantii</i>
1614	<i>Prevotella copri</i>
1615	<i>Prevotella corporis</i>
1616	<i>Prevotella dentalis</i>
1617	<i>Prevotella dentasini</i>
1618	<i>Prevotella denticola</i>

1619	<i>Prevotella disiens</i>
1620	<i>Prevotella enoeca</i>
1621	<i>Prevotella falsenii</i>
1622	<i>Prevotella fusca</i>
1623	<i>Prevotella histicola</i>
1624	<i>Prevotella intermedia</i>
1625	<i>Prevotella loescheii</i>
1626	<i>Prevotella maculosa</i>
1627	<i>Prevotella marshii</i>
1628	<i>Prevotella melaninogenica</i>
1629	<i>Prevotella micans</i>
1630	<i>Prevotella multiformis</i>
1631	<i>Prevotella multisaccharivorax</i>
1632	<i>Prevotella nanceiensis</i>
1633	<i>Prevotella nigrescens</i>
1634	<i>Prevotella oralis</i>
1635	<i>Prevotella oris</i>
1636	<i>Prevotella oulorum</i>
1637	<i>Prevotella pallens</i>
1638	<i>Prevotella paludivivens</i>
1639	<i>Prevotella pleuritis</i>
1640	<i>Prevotella ruminicola</i>
1641	<i>Prevotella saccharolytica</i>
1642	<i>Prevotella salivae</i>
1643	<i>Prevotella scopos</i>
1644	<i>Prevotella shahii</i>
1645	<i>Prevotella</i> sp.
1646	<i>Prevotella stercorea</i>
1647	<i>Prevotella tannerae</i>
1648	<i>Prevotella timonensis</i>
1649	<i>Prevotella veroralis</i>
1650	<i>Prochlorococcus</i> sp.
1651	<i>Prochlorothrix hollandica</i>
1652	<i>Prolixibacter bellariivorans</i>
1653	<i>Promicromonospora sukumoe</i>
1654	<i>Propionibacterium acidifaciens</i>
1655	<i>Propionibacterium freudenreichii</i>
1656	<i>Propionibacterium jensenii</i>
1657	<i>Propionibacterium</i> sp.
1658	<i>Propionibacterium thoenii</i>
1659	<i>Propionicicella superfundia</i>
1660	<i>Propionimicrobium lymphophilum</i>
1661	<i>Proteiniphilum acetatigenes</i>
1662	<i>Proteobacteria bacterium</i>
1663	<i>Proteocatella sphenisci</i>
1664	<i>Providencia stuartii</i>
1665	<i>Prunus mume</i>
1666	<i>Prunus persica</i>
1667	<i>Pseudaminobacter salicylatoxidans</i>
1668	<i>Pseudanabaena</i> sp.
1669	<i>Pseudoalteromonas haloplanktis</i>
1670	<i>Pseudoalteromonas ruthenica</i>
1671	<i>Pseudobutyrvibrio ruminis</i>
1672	<i>Pseudobutyrvibrio</i> sp.
1673	<i>Pseudochrobactrum</i> sp.
1674	<i>Pseudoduganella violaceinigra</i>
1675	<i>Pseudogulbenkiania ferrooxidans</i>
1676	<i>Pseudogulbenkiania</i> sp.

1677	<i>Pseudomonas aeruginosa</i>
1678	<i>Pseudomonas agarici</i>
1679	<i>Pseudomonas alcaligenes</i>
1680	<i>Pseudomonas alcaliphila</i>
1681	<i>Pseudomonas azotifigens</i>
1682	<i>Pseudomonas brassicacearum</i>
1683	<i>Pseudomonas caeni</i>
1684	<i>Pseudomonas chloritidismutans</i>
1685	<i>Pseudomonas chlororaphis</i>
1686	<i>Pseudomonas cremoricolorata</i>
1687	<i>Pseudomonas denitrificans</i>
1688	<i>Pseudomonas entomophila</i>
1689	<i>Pseudomonas fluorescens</i>
1690	<i>Pseudomonas fragi</i>
1691	<i>Pseudomonas fuscovaginae</i>
1692	<i>Pseudomonas mendocina</i>
1693	<i>Pseudomonas monteilii</i>
1694	<i>Pseudomonas moraviensis</i>
1695	<i>Pseudomonas mosselii</i>
1696	<i>Pseudomonas nitroreducens</i>
1697	<i>Pseudomonas oleovorans</i>
1698	<i>Pseudomonas parafulva</i>
1699	<i>Pseudomonas plecoglossicida</i>
1700	<i>Pseudomonas poae</i>
1701	<i>Pseudomonas putida</i>
1702	<i>Pseudomonas resinovorans</i>
1703	<i>Pseudomonas</i> sp.
1704	<i>Pseudomonas stutzeri</i>
1705	<i>Pseudomonas syringae</i>
1706	<i>Pseudomonas thermotolerans</i>
1707	<i>Pseudomonas tolaasii</i>
1708	<i>Pseudomonas umsongensis</i>
1709	<i>Pseudomonas viridiflava</i>
1710	<i>Pseudonocardia acaciae</i>
1711	<i>Pseudonocardia asaccharolytica</i>
1712	<i>Pseudonocardia dioxanivorans</i>
1713	<i>Pseudopodoces humilis</i>
1714	<i>Pseudoramibacter alactolyticus</i>
1715	<i>Pseudorhodobacter ferrugineus</i>
1716	<i>Pseudovibrio</i> sp.
1717	<i>Pseudoxanthomonas</i> sp.
1718	<i>Pseudoxanthomonas spadix</i>
1719	<i>Pseudoxanthomonas suwonensis</i>
1720	<i>Psychrilyobacter atlanticus</i>
1721	<i>Psychrobacter lutiphocae</i>
1722	<i>Psychromonas</i> sp.
1723	<i>Psychroserpens burtonensis</i>
1724	<i>Pteropus alecto</i>
1725	<i>Pusillimonas noertemannii</i>
1726	<i>Pusillimonas</i> sp.
1727	<i>Python bivittatus</i>
1728	<i>Rahnella aquatilis</i>
1729	<i>Ralstonia eutropha</i>
1730	<i>Ralstonia pickettii</i>
1731	<i>Ralstonia solanacearum</i>
1732	<i>Ralstonia</i> sp.
1733	<i>Ramlibacter tataouinensis</i>
1734	<i>Raoultella ornithinolytica</i>

1735	<i>Rathayibacter toxicus</i>
1736	<i>Rattus norvegicus</i>
1737	<i>Rhazya stricta</i>
1738	<i>Rheinheimera texasensis</i>
1739	<i>Rhizobium etli</i>
1740	<i>Rhizobium gallicum</i>
1741	<i>Rhizobium giardinii</i>
1742	<i>Rhizobium leguminosarum</i>
1743	<i>Rhizobium leucaenae</i>
1744	<i>Rhizobium phaseoli</i>
1745	<i>Rhizobium selenitireducens</i>
1746	<i>Rhizobium</i> sp.
1747	<i>Rhizobium sullae</i>
1748	<i>Rhizobium tropici</i>
1749	<i>Rhizobium undicola</i>
1750	<i>Rhodanobacter</i> sp.
1751	<i>Rhodobacter capsulatus</i>
1752	<i>Rhodobacter sphaeroides</i>
1753	Rhodobacteraceae bacterium
1754	Rhodobacterales bacterium
1755	<i>Rhodococcus defluvii</i>
1756	<i>Rhodococcus equi</i>
1757	<i>Rhodococcus erythropolis</i>
1758	<i>Rhodococcus jostii</i>
1759	<i>Rhodococcus opacus</i>
1760	<i>Rhodococcus pyridinivorans</i>
1761	<i>Rhodococcus ruber</i>
1762	<i>Rhodococcus</i> sp.
1763	<i>Rhodoferax ferrireducens</i>
1764	<i>Rhodoferax saidenbachensis</i>
1765	<i>Rhodomicrobium vannielii</i>
1766	<i>Rhodonellum psychrophilum</i>
1767	<i>Rhodopirellula baltica</i>
1768	<i>Rhodopseudomonas palustris</i>
1769	<i>Rhodopseudomonas</i> sp.
1770	Rhodospirillales bacterium
1771	<i>Rhodospirillum centenum</i>
1772	<i>Rhodospirillum photometricum</i>
1773	<i>Rhodospirillum rubrum</i>
1774	<i>Rhodothermus marinus</i>
1775	<i>Rhodovibrio salinarum</i>
1776	<i>Ricinus communis</i>
1777	<i>Rickettsia canadensis</i>
1778	<i>Rickettsia felis</i>
1779	<i>Rickettsia montanensis</i>
1780	<i>Rickettsia prowazekii</i>
1781	<i>Rickettsia rickettsii</i>
1782	<i>Rikenella microfusum</i>
1783	<i>Robiginitalea biformata</i>
1784	<i>Robiginitomaculum antarcticum</i>
1785	<i>Robinsoniella</i> sp.
1786	<i>Roseburia hominis</i>
1787	<i>Roseburia</i> sp.
1788	<i>Roseibium</i> sp.
1789	<i>Roseiflexus castenholzii</i>
1790	<i>Roseobacter denitrificans</i>
1791	<i>Roseobacter</i> sp.
1792	<i>Roseomonas cervicalis</i>

1793	<i>Roseomonas</i> sp.
1794	<i>Ruania albidiflava</i>
1795	<i>Rubritalea marina</i>
1796	<i>Rubritepida flocculans</i>
1797	<i>Rubrivivax benzoatilyticus</i>
1798	<i>Rubrivivax gelatinosus</i>
1799	<i>Rubrobacter xylanophilus</i>
1800	<i>Rudaea cellulosilytica</i>
1801	<i>Rudanella lutea</i>
1802	<i>Ruegeria pomeroyi</i>
1803	<i>Ruegeria</i> sp.
1804	Ruminococcaceae bacterium
1805	<i>Ruminococcus albus</i>
1806	<i>Ruminococcus callidus</i>
1807	<i>Ruminococcus champanellensis</i>
1808	<i>Ruminococcus flavefaciens</i>
1809	<i>Ruminococcus gauvreauii</i>
1810	<i>Ruminococcus lactaris</i>
1811	<i>Ruminococcus</i> sp.
1812	<i>Runella limosa</i>
1813	<i>Runella slithyformis</i>
1814	<i>Runella zeae</i>
1815	<i>Saccharibacillus kuerlensis</i>
1816	<i>Saccharibacter floricola</i>
1817	<i>Saccharomonospora azurea</i>
1818	<i>Saccharomonospora marina</i>
1819	<i>Saccharomonospora paurometabolica</i>
1820	<i>Saccharomonospora saliphila</i>
1821	<i>Saccharomonospora</i> sp.
1822	<i>Saccharomonospora viridis</i>
1823	<i>Saccharomonospora xinjiangensis</i>
1824	<i>Saccharomyces cerevisiae</i>
1825	<i>Saccharopolyspora rectivirgula</i>
1826	<i>Saccharopolyspora spinosa</i>
1827	<i>Saccharosporillum impatiens</i>
1828	<i>Saccoglossus kowalevskii</i>
1829	<i>Saimiri boliviensis</i>
1830	<i>Salana multivorans</i>
1831	<i>Salinarimonas rosea</i>
1832	<i>Salinibacter ruber</i>
1833	<i>Salinicoccus albus</i>
1834	<i>Salinispora arenicola</i>
1835	<i>Salinispora pacifica</i>
1836	<i>Salisaeta longa</i>
1837	<i>Salmonella enterica</i>
1838	<i>Sandarakinorhabdus</i> sp.
1839	<i>Saprospira grandis</i>
1840	SAR324 cluster
1841	<i>Sarcophilus harrisii</i>
1842	<i>Schlesneria paludicola</i>
1843	<i>Sciscionella</i> sp.
1844	<i>Sedimenticola selenatireducens</i>
1845	<i>Sediminibacillus halophilus</i>
1846	<i>Sediminibacter</i> sp.
1847	<i>Sediminibacterium salmoneum</i>
1848	<i>Sediminibacterium</i> sp.
1849	<i>Segetibacter koreensis</i>
1850	<i>Segniliparus rotundus</i>

1851	<i>Selenomonas artemidis</i>
1852	<i>Selenomonas bovis</i>
1853	<i>Selenomonas infelix</i>
1854	<i>Selenomonas noxia</i>
1855	<i>Selenomonas ruminantium</i>
1856	<i>Selenomonas</i> sp.
1857	<i>Selenomonas sputigena</i>
1858	<i>Serinicoccus marinus</i>
1859	<i>Serinicoccus profundus</i>
1860	<i>Serpula lacrymans</i>
1861	<i>Serratia fonticola</i>
1862	<i>Serratia liquefaciens</i>
1863	<i>Serratia marcescens</i>
1864	<i>Serratia plymuthica</i>
1865	<i>Serratia proteamaculans</i>
1866	<i>Serratia</i> sp.
1867	<i>Setaria italica</i>
1868	<i>Shewanella amazonensis</i>
1869	<i>Shewanella baltica</i>
1870	<i>Shewanella halifaxensis</i>
1871	<i>Shewanella haliotis</i>
1872	<i>Shewanella loihica</i>
1873	<i>Shewanella pealeana</i>
1874	<i>Shewanella</i> sp.
1875	<i>Shewanella violacea</i>
1876	<i>Shinella</i> sp.
1877	<i>Shuttleworthia satelles</i>
1878	<i>Silanimonas lenta</i>
1879	<i>Silene conica</i>
1880	<i>Silicibacter lacuscaerulensis</i>
1881	<i>Silicibacter</i> sp.
1882	<i>Simiduia agarivorans</i>
1883	<i>Simonsiella muelleri</i>
1884	<i>Simplicispira psychrophila</i>
1885	<i>Singularimonas variicoloris</i>
1886	<i>Singulisphaera acidiphila</i>
1887	<i>Sinorhizobium fredii</i>
1888	<i>Sinorhizobium meliloti</i>
1889	<i>Slackia exigua</i>
1890	<i>Slackia heliotrinireducens</i>
1891	<i>Slackia piriformis</i>
1892	<i>Sodalis glossinidius</i>
1893	<i>Solanum tuberosum</i>
1894	<i>Solibacillus silvestris</i>
1895	<i>Solimonas flava</i>
1896	<i>Solimonas soli</i>
1897	<i>Solirubrobacter soli</i>
1898	<i>Solirubrobacter</i> sp.
1899	<i>Solirubrobacterales</i> bacterium
1900	<i>Solitalea canadensis</i>
1901	<i>Solobacterium moorei</i>
1902	<i>Sorangium cellulolum</i>
1903	<i>Sorex araneus</i>
1904	<i>Sorghum bicolor</i>
1905	<i>Spermophilus tridecemlineatus</i>
1906	<i>Sphaerobacter thermophilus</i>
1907	<i>Sphingobacterium</i> sp.
1908	<i>Sphingobacterium spiritivorum</i>

1909	<i>Sphingobacterium thalophilum</i>
1910	<i>Sphingobium baderi</i>
1911	<i>Sphingobium lactosutens</i>
1912	<i>Sphingobium quisquiliarum</i>
1913	<i>Sphingobium</i> sp.
1914	<i>Sphingobium ummariense</i>
1915	<i>Sphingobium xenophagum</i>
1916	<i>Sphingobium yanoikuyae</i>
1917	<i>Sphingomonas astaxanthinifaciens</i>
1918	<i>Sphingomonas elodea</i>
1919	<i>Sphingomonas melonis</i>
1920	<i>Sphingomonas</i> sp.
1921	<i>Sphingomonas wittichii</i>
1922	<i>Sphingomonas</i> -like bacterium
1923	<i>Sphingopyxis alaskensis</i>
1924	<i>Spiribacter salinus</i>
1925	<i>Spirillospora albida</i>
1926	<i>Spirochaeta africana</i>
1927	<i>Spirochaeta alkalica</i>
1928	<i>Spirochaeta bajacaliforniensis</i>
1929	<i>Spirochaeta caldaria</i>
1930	<i>Spirochaeta</i> sp.
1931	<i>Spirochaeta thermophila</i>
1932	<i>Spiroplasma chrysopicola</i>
1933	<i>Spiroplasma taiwanense</i>
1934	<i>Spirosoma linguale</i>
1935	<i>Spirosoma luteum</i>
1936	<i>Spirosoma panaciterrae</i>
1937	<i>Spirosoma spitsbergense</i>
1938	<i>Spongiibacter tropicus</i>
1939	<i>Sporobacter termitidis</i>
1940	<i>Sporocytophaga myxococcoides</i>
1941	<i>Sporolactobacillus terrae</i>
1942	<i>Sporolactobacillus vineae</i>
1943	<i>Sporosarcina newyorkensis</i>
1944	<i>Sporosarcina</i> sp.
1945	<i>Stackebrandtia nassauensis</i>
1946	<i>Staphylococcus aureus</i>
1947	<i>Staphylococcus hominis</i>
1948	<i>Staphylococcus pasteurii</i>
1949	<i>Staphylococcus saprophyticus</i>
1950	<i>Staphylococcus simulans</i>
1951	<i>Staphylococcus</i> sp.
1952	<i>Staphylococcus warneri</i>
1953	<i>Staphylococcus xylosum</i>
1954	<i>Stappia stellulata</i>
1955	<i>Stegastes partitus</i>
1956	<i>Stenotrophomonas maltophilia</i>
1957	<i>Stenotrophomonas</i> sp.
1958	<i>Stereum hirsutum</i>
1959	<i>Stigmatella aurantiaca</i>
1960	<i>Streptobacillus moniliformis</i>
1961	<i>Streptococcus agalactiae</i>
1962	<i>Streptococcus anginosus</i>
1963	<i>Streptococcus caballi</i>
1964	<i>Streptococcus constellatus</i>
1965	<i>Streptococcus dysgalactiae</i>
1966	<i>Streptococcus entericus</i>

1967	<i>Streptococcus equinus</i>
1968	<i>Streptococcus ferus</i>
1969	<i>Streptococcus gordonii</i>
1970	<i>Streptococcus infantis</i>
1971	<i>Streptococcus intermedius</i>
1972	<i>Streptococcus mitis</i>
1973	<i>Streptococcus oralis</i>
1974	<i>Streptococcus orisratti</i>
1975	<i>Streptococcus pasteurianus</i>
1976	<i>Streptococcus pleomorphus</i>
1977	<i>Streptococcus pneumoniae</i>
1978	<i>Streptococcus pseudopneumoniae</i>
1979	<i>Streptococcus pyogenes</i>
1980	<i>Streptococcus sanguinis</i>
1981	<i>Streptococcus sobrinus</i>
1982	<i>Streptococcus</i> sp.
1983	<i>Streptococcus suis</i>
1984	<i>Streptococcus thermophilus</i>
1985	<i>Streptococcus uberis</i>
1986	<i>Streptococcus vestibularis</i>
1987	<i>Streptomyces achromogenes</i>
1988	<i>Streptomyces acidiscabies</i>
1989	<i>Streptomyces albus</i>
1990	<i>Streptomyces bicolor</i>
1991	<i>Streptomyces chartreusis</i>
1992	<i>Streptomyces davawensis</i>
1993	<i>Streptomyces erythrochromogenes</i>
1994	<i>Streptomyces exfoliatus</i>
1995	<i>Streptomyces flavochromogenes</i>
1996	<i>Streptomyces globisporus</i>
1997	<i>Streptomyces griseoflavus</i>
1998	<i>Streptomyces griseus</i>
1999	<i>Streptomyces hygrosopicus</i>
2000	<i>Streptomyces lavendulae</i>
2001	<i>Streptomyces lavenduligriseus</i>
2002	<i>Streptomyces leeuwenhoekii</i>
2003	<i>Streptomyces mediolani</i>
2004	<i>Streptomyces natalensis</i>
2005	<i>Streptomyces olivaceus</i>
2006	<i>Streptomyces peucetius</i>
2007	<i>Streptomyces pristinaespiralis</i>
2008	<i>Streptomyces prunicolor</i>
2009	<i>Streptomyces pyridomyceticus</i>
2010	<i>Streptomyces roseochromogenus</i>
2011	<i>Streptomyces ruber</i>
2012	<i>Streptomyces sclerotialus</i>
2013	<i>Streptomyces scopuliridis</i>
2014	<i>Streptomyces somaliensis</i>
2015	<i>Streptomyces</i> sp.
2016	<i>Streptomyces sulphureus</i>
2017	<i>Streptomyces svuceus</i>
2018	<i>Streptomyces varsoviensis</i>
2019	<i>Streptomyces violaceoruber</i>
2020	<i>Streptomyces violaceusniger</i>
2021	<i>Streptomyces viridochromogenes</i>
2022	<i>Streptomyces viridosporus</i>
2023	<i>Streptomyces xanthophaeus</i>
2024	<i>Streptosporangium amethystogenes</i>

2025	<i>Streptosporangium roseum</i>
2026	<i>Strongylocentrotus purpuratus</i>
2027	<i>Subdoligranulum</i> sp.
2028	<i>Succinatimonas hippei</i>
2029	<i>Succinatimonas</i> sp.
2030	<i>Succinimonas amylolytica</i>
2031	<i>Sulfitobacter</i> sp.
2032	<i>Sulfobacillus acidophilus</i>
2033	<i>Sulfobacillus thermosulfidooxidans</i>
2034	<i>Sulfolobus islandicus</i>
2035	<i>Sulfuricella denitrificans</i>
2036	<i>Sulfurihydrogenibium</i> sp.
2037	<i>Sulfurimonas</i> sp.
2038	<i>Sulfurovum</i> sp.
2039	<i>Sus scrofa</i>
2040	<i>Sutterella parvirubra</i>
2041	<i>Sutterella</i> sp.
2042	<i>Sutterella wadsworthensis</i>
2043	<i>Symbiobacterium thermophilum</i>
2044	<i>Synechococcus elongatus</i>
2045	<i>Synechococcus</i> phage
2046	<i>Synechococcus</i> sp.
2047	<i>Synergistes</i> sp.
2048	<i>Synergistetes bacterium</i>
2049	<i>Syntrophobacter fumaroxidans</i>
2050	<i>Syntrophobotulus glycolicus</i>
2051	<i>Syntrophomonas wolfei</i>
2052	<i>Syntrophorhabdus aromaticivorans</i>
2053	<i>Taeniopygia guttata</i>
2054	<i>Takifugu rubripes</i>
2055	<i>Tannerella forsythia</i>
2056	<i>Tannerella</i> sp.
2057	<i>Tarsius syrichta</i>
2058	<i>Tenacibaculum maritimum</i>
2059	<i>Tenacibaculum ovolyticum</i>
2060	<i>Tenacibaculum</i> sp.
2061	<i>Tepidanaerobacter acetatoxydans</i>
2062	<i>Tepidiphilus margaritifer</i>
2063	<i>Terasakiella pusilla</i>
2064	<i>Teredinibacter tumerae</i>
2065	<i>Terriglobus roseus</i>
2066	<i>Terrimonas ferruginea</i>
2067	<i>Terrisporobacter glycolicus</i>
2068	<i>Tetragenococcus halophilus</i>
2069	<i>Tetragenococcus muriaticus</i>
2070	<i>Tetrahymena thermophila</i>
2071	<i>Thalassiosira pseudonana</i>
2072	<i>Thalassobacter arenae</i>
2073	<i>Thalassobaculum salexigens</i>
2074	<i>Thalassospira lucentensis</i>
2075	<i>Thauera linaloolentis</i>
2076	<i>Thauera</i> sp.
2077	<i>Thauera terpenica</i>
2078	<i>Theobroma cacao</i>
2079	<i>Thermacetogenium phaeum</i>
2080	<i>Thermaerobacter marianensis</i>
2081	<i>Thermaerobacter subterraneus</i>
2082	<i>Thermanaerovibrio acidaminovorans</i>

2083	<i>Thermanaerovibrio velox</i>
2084	<i>Thermincola potens</i>
2085	<i>Thermithiobacillus tepidarius</i>
2086	<i>Thermoanaerobacter indiensis</i>
2087	<i>Thermoanaerobacter siderophilus</i>
2088	<i>Thermoanaerobacterium</i> <i>thermosaccharolyticum</i>
2089	<i>Thermoanaerobacterium xylanolyticum</i>
2090	<i>Thermobacillus composti</i>
2091	<i>Thermobispora bispora</i>
2092	<i>Thermococcus gammatolerans</i>
2093	<i>Thermococcus</i> sp.
2094	<i>Thermocrinis albus</i>
2095	<i>Thermodesulfobacterium hveragerdense</i>
2096	<i>Thermofilum</i> sp.
2097	<i>Thermomonas fusca</i>
2098	<i>Thermomonospora curvata</i>
2099	<i>Thermophagus xiamenensis</i>
2100	<i>Thermoplasmatales</i> archaeon
2101	<i>Thermosediminibacter oceani</i>
2102	<i>Thermus igniterrae</i>
2103	<i>Thermus islandicus</i>
2104	<i>Thermus oshimai</i>
2105	<i>Thermus thermophilus</i>
2106	<i>Thielavia terrestris</i>
2107	<i>Thioalkalivibrio</i> sp.
2108	<i>Thioalkalivibrio sulfidophilus</i>
2109	<i>Thioalkalivibrio thiocyanodenitrificans</i>
2110	<i>Thioalkalivibrio thiocyanoxidans</i>
2111	<i>Thiobacillus denitrificans</i>
2112	<i>Thiobacillus thioparus</i>
2113	<i>Thiocystis violascens</i>
2114	<i>Thiomicrospira chilensis</i>
2115	<i>Thiomicrospira halophila</i>
2116	<i>Thiomicrospira pelophila</i>
2117	<i>Thiomicrospira</i> sp.
2118	<i>Thiomonas intermedia</i>
2119	<i>Thiomonas</i> sp.
2120	<i>Thiothrix lacustris</i>
2121	<i>Thiothrix nivea</i>
2122	<i>Tistrella mobilis</i>
2123	<i>Tolumonas auensis</i>
2124	<i>Tomitella biformata</i>
2125	<i>Treponema azotonutricium</i>
2126	<i>Treponema brennaborensis</i>
2127	<i>Treponema bryantii</i>
2128	<i>Treponema denticola</i>
2129	<i>Treponema lecithinolyticum</i>
2130	<i>Treponema maltophilum</i>
2131	<i>Treponema medium</i>
2132	<i>Treponema pedis</i>
2133	<i>Treponema phagedenis</i>
2134	<i>Treponema primitia</i>
2135	<i>Treponema socranskii</i>
2136	<i>Treponema</i> sp.
2137	<i>Treponema succinificans</i>
2138	<i>Treponema vincentii</i>
2139	<i>Tribolium castaneum</i>

2140	<i>Trichechus manatus</i>
2141	<i>Trichomonas vaginalis</i>
2142	<i>Triticum timopheevii</i>
2143	<i>Triticum urartu</i>
2144	<i>Tsukamurella paurometabola</i>
2145	<i>Tuber melanosporum</i>
2146	<i>Tuberibacillus calidus</i>
2147	<i>Tupaia chinensis</i>
2148	<i>Turicibacter sanguinis</i>
2149	<i>Turneriella parva</i>
2150	<i>Tyzzarella nexilis</i>
2151	<i>Uliginosibacterium gangwonense</i>
2152	Uncultured bacterium
2153	<i>Ursus maritimus</i>
2154	<i>Variovorax paradoxus</i>
2155	<i>Variovorax</i> sp.
2156	<i>Verminephrobacter aporrectodeae</i>
2157	<i>Verminephrobacter eiseniae</i>
2158	<i>Verrucomicrobia</i> bacterium
2159	<i>Verrucomicrobiae</i> bacterium
2160	<i>Verrucomicrobium spinosum</i>
2161	<i>Vibrio cholerae</i>
2162	<i>Vibrio cyclitrophicus</i>
2163	<i>Vibrio furnissii</i>
2164	<i>Vibrio litoralis</i>
2165	<i>Vibrio natriegens</i>
2166	<i>Vibrio parahaemolyticus</i>
2167	<i>Vibrio</i> phage
2168	<i>Vibrio rumoiensis</i>
2169	<i>Vibrio</i> sp.
2170	<i>Vibrio splendidus</i>
2171	<i>Vibrio tapetis</i>
2172	<i>Vicugna pacos</i>
2173	<i>Virgibacillus alimentarius</i>
2174	<i>Virgibacillus</i> sp.
2175	<i>Vitis vinifera</i>
2176	<i>Vitreoscilla stercoraria</i>
2177	<i>Volvox carteri</i>
2178	<i>Weeksella virosa</i>
2179	<i>Weissella paramesenteroides</i>
2180	<i>Woodsholea maritima</i>
2181	<i>Xanthobacter autotrophicus</i>
2182	<i>Xanthobacter</i> sp.
2183	<i>Xanthobacteraceae</i> bacterium
2184	<i>Xanthomonas arboricola</i>
2185	<i>Xanthomonas axonopodis</i>
2186	<i>Xanthomonas campestris</i>
2187	<i>Xanthomonas cassavae</i>
2188	<i>Xanthomonas citri</i>
2189	<i>Xanthomonas</i> sp.
2190	<i>Xanthomonas translucens</i>
2191	<i>Xenopus (Silurana)</i>
2192	<i>Xenorhabdus bovienii</i>
2193	<i>Xiphophorus maculatus</i>
2194	<i>Xylanibacter oryzae</i>
2195	<i>Xylanimonas cellulositytica</i>
2196	<i>Xylella fastidiosa</i>
2197	<i>Yokenella regensburgei</i>

2198	<i>Zea mays</i>
2199	<i>Zeta proteobacterium</i>
2200	<i>Zonotrichia albicollis</i>
2201	<i>Zymobacter palmae</i>
2202	<i>Zymophilus raffinosivorans</i>

Table S30 : The taxonomic profile predicted from the assembly results of MetaVelvet-SL using BLAST for the SRS017227 dataset.

No	Species
1	Actinomyces odontolyticus
2	Actinomyces oris
3	Actinomyces urogenitalis
4	Actinomyces viscosus
5	Aggregatibacter actinomycetemcomitans
6	Aggregatibacter aphrophilus
7	Aggregatibacter segnis
8	Alistipes putredinis
9	Atopobium parvulum
10	Atopobium rimae
11	Bacteroides caccae
12	Bacteroides ovatus
13	Bacteroides unclassified
14	Bacteroides vulgatus
15	Campylobacter concisus
16	Campylobacter gracilis
17	Campylobacter showae
18	Capnocytophaga gingivalis
19	Capnocytophaga ochracea
20	Capnocytophaga sputigena
21	Cardiobacterium hominis
22	Catonella morbi
23	Corynebacterium matruchotii
24	Dialister invisus
25	Eikenella corrodens
26	Eubacterium saburreum
27	Fusobacterium nucleatum
28	Fusobacterium periodonticum
29	Gemella haemolysans
30	Gemella moribillum
31	Granulicatella adiacens
32	Granulicatella elegans
33	Haemophilus influenzae
34	Haemophilus parainfluenzae
35	Kingella denitrificans
36	Lautropia mirabilis
37	Leptotrichia buccalis
38	Leptotrichia goodfellowii
39	Leptotrichia hofstadii
40	Leptotrichia unclassified
41	Megasphaera micronuciformis
42	Neisseria elongata
43	Neisseria gonorrhoeae
44	Neisseria meningitidis
45	Neisseria mucosa
46	Neisseria polysaccharea
47	Neisseria sicca
48	Neisseria subflava
49	Oribacterium sinus
50	Parabacteroides merdae
51	Peptoniphilus unclassified
52	Porphyromonas endodontalis
53	Prevotella copri
54	Prevotella marshallii
55	Prevotella oris
56	Prevotella salivae
57	Prevotella tannerae
58	Prevotella veroralis
59	Propionibacterium acnes
60	Rothia dentocariosa
61	Rothia mucilaginosa
62	Selenomonas artemidis
63	Selenomonas flueggei
64	Selenomonas noxia
65	Selenomonas sputigena
66	Slackia exigua
67	Solobacterium moorei
68	Streptococcus australis
69	Streptococcus cristatus
70	Streptococcus gordonii
71	Streptococcus infantis
72	Streptococcus mitis
73	Streptococcus oralis
74	Streptococcus parasanguinis
75	Streptococcus peroris
76	Streptococcus salivarius
77	Streptococcus sanguinis
78	Treponema denticola
79	Treponema vincentii
80	Veillonella atypica
81	Veillonella dispar
82	Veillonella parvula
83	Veillonella unclassified
84	Nostoc azollae'
85	[Clostridium] aerotolerans
86	[Clostridium] aminophilum
87	[Clostridium] bif fermentans
88	[Clostridium] cellobioparum
89	[Clostridium] clostridioforme
90	[Clostridium] indolis
91	[Clostridium] josui
92	[Clostridium] manganotii
93	[Clostridium] methoxybenzovorans
94	[Clostridium] papyrosolvans
95	[Clostridium] saccharogumia
96	[Clostridium] sordellii
97	[Clostridium] sticklandii,
98	[Clostridium] termitidis
99	[Clostridium] viride
100	[Eubacterium] cellulosolvans
101	[Eubacterium] yurii
102	[Pseudomonas] geniculata
103	Abiotrophia defectiva
104	Acanthamoeba castellanii
105	Acanthisitta chloris
106	Acaricomes phytoseiuli
107	Acaryochloris marina
108	Acaryochloris sp.
109	Acetivibrio cellulolyticus
110	Acetobacter acetii

111	<i>Acetobacter pasteurianus</i>
112	<i>Acetobacter</i> sp.
113	<i>Acetobacterium dehalogenans</i>
114	<i>Acetobacterium woodii</i>
115	<i>Acholeplasma axanthum</i>
116	<i>Acholeplasma equifetale</i>
117	<i>Acholeplasma granularum</i>
118	<i>Acholeplasma laidlawii</i>
119	<i>Acholeplasma modicum</i>
120	<i>Acholeplasma</i> sp.
121	<i>Achromobacter piechaudii</i>
122	<i>Achromobacter xylosoxidans</i>
123	<i>Acidaminococcus</i> sp.
124	<i>Acidimicrobidae</i> bacterium
125	<i>Acidimicrobium ferrooxidans</i>
126	<i>Acidiphilium angustum</i>
127	<i>Acidiphilium multivorum</i>
128	<i>Acidiphilium</i> sp.
129	<i>Acidithiobacillus caldus</i>
130	<i>Acidithiobacillus ferrivorans</i>
131	<i>Acidithiobacillus ferrooxidans</i>
132	<i>Acidithiobacillus thiooxidans</i>
133	<i>Acidobacteria</i> bacterium
134	<i>Acidobacteriaceae</i> bacterium
135	<i>Acidobacterium capsulatum</i>
136	<i>Acidobacterium</i> sp.
137	<i>Acidocella</i> sp.
138	<i>Acidothermus cellulolyticus</i>
139	<i>Acidovorax avenae</i>
140	<i>Acidovorax citrulli</i>
141	<i>Acidovorax ebreus</i>
142	<i>Acidovorax oryzae</i>
143	<i>Acidovorax radialis</i>
144	<i>Acidovorax</i> sp.
145	<i>Acinetobacter baumannii</i>
146	<i>Acinetobacter bereziniae</i>
147	<i>Acinetobacter bouvetii</i>
148	<i>Acinetobacter brisouii</i>
149	<i>Acinetobacter calcoaceticus</i>
150	<i>Acinetobacter gyllenbergii</i>
151	<i>Acinetobacter haemolyticus</i>
152	<i>Acinetobacter johnsonii</i>
153	<i>Acinetobacter junii</i>
154	<i>Acinetobacter lwoffii</i>
155	<i>Acinetobacter nectaris</i>
156	<i>Acinetobacter nosocomialis</i>
157	<i>Acinetobacter oleivorans</i>
158	<i>Acinetobacter parvus</i>
159	<i>Acinetobacter pittii</i>
160	<i>Acinetobacter radioresistens</i>
161	<i>Acinetobacter schindleri</i>
162	<i>Acinetobacter</i> sp.
163	<i>Acinetobacter townneri</i>
164	<i>Acinetobacter ursingii</i>
165	<i>Acinetobacter venetianus</i>
166	<i>Actinoalloteichus cyanogriseus</i>
167	<i>Actinoalloteichus spitiensis</i>
168	<i>Actinobacillus capsulatus</i>

169	<i>Actinobacillus pleuropneumoniae</i>
170	<i>Actinobacillus succinogenes</i>
171	<i>Actinobacillus suis</i>
172	<i>Actinobacillus ureae</i>
173	<i>Actinobacterium LLX17</i>
174	<i>Actinobacterium SCGC</i>
175	<i>Actinobaculum massiliae</i>
176	<i>Actinobaculum schaalii</i>
177	<i>Actinobaculum</i> sp.
178	<i>Actinobaculum urinale</i>
179	<i>Actinocatenispora sera</i>
180	<i>Actinokineospora enzanensis</i>
181	<i>Actinokineospora inagensis</i>
182	<i>Actinomadura atramentaria</i>
183	<i>Actinomadura flavalba</i>
184	<i>Actinomadura madurae</i>
185	<i>Actinomadura oligospora</i>
186	<i>Actinomadura rifamycini</i>
187	<i>Actinomyces cardiffensis</i>
188	<i>Actinomyces dentalis</i>
189	<i>Actinomyces europaeus</i>
190	<i>Actinomyces georgiae</i>
191	<i>Actinomyces gerencseriae</i>
192	<i>Actinomyces graevenitzii</i>
193	<i>Actinomyces israelii</i>
194	<i>Actinomyces johnsonii</i>
195	<i>Actinomyces massiliensis</i>
196	<i>Actinomyces meyeri</i>
197	<i>Actinomyces naeslundii</i>
198	<i>Actinomyces neuii</i>
199	<i>Actinomyces ruminicola</i>
200	<i>Actinomyces slackii</i>
201	<i>Actinomyces</i> sp.
202	<i>Actinomyces suimastitidis</i>
203	<i>Actinomyces timonensis</i>
204	<i>Actinomyces turicensis</i>
205	<i>Actinomyces vaccimaxillae</i>
206	<i>Actinomyces weissii</i>
207	<i>Actinomycetospora chiangmaiensis</i>
208	<i>Actinoplanes friuliensis</i>
209	<i>Actinoplanes globisporus</i>
210	<i>Actinoplanes missouriensis</i>
211	<i>Actinoplanes</i> sp.
212	<i>Actinoplanes subtropicus</i>
213	<i>Actinopolymorpha alba</i>
214	<i>Actinopolyspora halophila</i>
215	<i>Actinopolyspora mortivallis</i>
216	<i>Actinosynnema mirum</i>
217	<i>Acyrtosiphon pisum</i>
218	<i>Adhaeribacter aquaticus</i>
219	<i>Adlercreutzia equolifaciens</i>
220	<i>Advenella kashmirensis</i>
221	<i>Aedes aegypti</i>
222	<i>Aequorivita capsosiphonis</i>
223	<i>Aequorivita sublithincola</i>
224	<i>Aerococcus urinae</i>
225	<i>Aeromicrobium marinum</i>
226	<i>Aeromonas caviae</i>

227	<i>Aeromonas hydrophila</i>
228	<i>Aeromonas salmonicida</i>
229	<i>Aeromonas veronii</i>
230	<i>Aestuariibacter salexigens</i>
231	<i>Aestuariimicrobium kwangyangense</i>
232	<i>Afifella pfennigii</i>
233	<i>Afipia felis</i>
234	<i>Afipia</i> sp.
235	<i>Aggregatibacter</i> phage
236	<i>Aggregatibacter</i> sp.
237	<i>Agrobacterium fabrum</i>
238	<i>Agrobacterium radiobacter</i>
239	<i>Agrobacterium tumefaciens</i>
240	<i>Agrobacterium vitis</i>
241	<i>Agrococcus lahaulensis</i>
242	<i>Agrococcus pavilionensis</i>
243	<i>Agromonas oligotrophica</i>
244	<i>Agromyces italicus</i>
245	<i>Agromyces subbeticus</i>
246	<i>Ahrensia kielenensis</i>
247	<i>Ailuropoda melanoleuca</i>
248	<i>Ajellomyces dermatitidis</i>
249	<i>Akkermansia muciniphila</i>
250	<i>Akkermansia muciniphila</i> ,
251	<i>Akkermansia</i> sp.
252	<i>Alcaligenes</i> sp.
253	<i>Alcanivorax borkumensis</i>
254	<i>Alcanivorax dieselolei</i>
255	<i>Alcanivorax</i> sp.
256	<i>Algoriphagus mannitolivorans</i>
257	<i>Algoriphagus marinicola</i>
258	<i>Algoriphagus</i> sp.
259	<i>Algoriphagus terrigena</i>
260	<i>Algoriphagus vanfongensis</i>
261	<i>Aliagarivorans marinus</i>
262	<i>Aliagarivorans taiwanensis</i>
263	<i>Alicyclophilus denitrificans</i>
264	<i>Alicyclobacillus acidocaldarius</i>
265	<i>Alicyclobacillus contaminans</i>
266	<i>Alicyclobacillus herbarius</i>
267	<i>Alicyclobacillus macrosporangioides</i>
268	<i>Alicyclobacillus pomorum</i>
269	<i>Aliivibrio fischeri</i>
270	<i>Aliivibrio logei</i>
271	<i>Alistipes finegoldii</i>
272	<i>Alistipes indistinctus</i>
273	<i>Alistipes onderdonkii</i>
274	<i>Alistipes senegalensis</i>
275	<i>Alistipes shahii</i>
276	<i>Alistipes</i> sp.
277	<i>Alistipes timonensis</i>
278	<i>Alkalibacillus haloalkaliphilus</i>
279	<i>Alkaliflexus imshenetskii</i>
280	<i>Alkalilimnicola ehrlichii</i>
281	<i>Alkaliphilus metalliredigens</i>
282	<i>Alkaliphilus transvaalensis</i>
283	<i>Alkanindiges illinoisensis</i>
284	<i>Alligator mississippiensis</i>

285	<i>Alligator sinensis</i>
286	<i>Allisonella histaminiformans</i>
287	<i>Allochromatium vinosum</i>
288	<i>Allofustis seminis</i>
289	<i>Allokutzneria albata</i>
290	<i>Alloprevotella rava</i>
291	<i>Alloscardovia omnicolens</i>
292	<i>Alpha proteobacterium</i>
293	<i>alpha proteobacterium</i>
294	<i>Alteromonas macleodii</i>
295	<i>Alteromonas</i> sp.
296	<i>Alysiella filiformis</i>
297	<i>Amborella trichopoda</i>
298	<i>Aminicenantes bacterium</i>
299	<i>Aminobacter</i> sp.
300	<i>Aminomonas paucivorans</i>
301	<i>Amorphus coralli</i>
302	<i>Amphibacillus jilinensis</i>
303	<i>Amphimedon queenslandica</i>
304	<i>Amphritea japonica</i>
305	<i>Amycolatopsis alba</i>
306	<i>Amycolatopsis balhimycina</i>
307	<i>Amycolatopsis benzoatilytica</i>
308	<i>Amycolatopsis mediterranei</i>
309	<i>Amycolatopsis methanolica</i>
310	<i>Amycolatopsis nigrescens</i>
311	<i>Amycolatopsis orientalis</i>
312	<i>Amycolatopsis</i> sp.
313	<i>Amycolatopsis taiwanensis</i>
314	<i>Amycolatopsis thermoflava</i>
315	<i>Amycolaticoccus subflavus</i>
316	<i>Anabaena cylindrica</i>
317	<i>Anabaena</i> sp.
318	<i>Anabaena variabilis</i>
319	<i>Anaeroarcus burkinensis</i>
320	<i>Anaerococcus lactolyticus</i>
321	<i>Anaerococcus obesiensis</i>
322	<i>Anaerococcus prevotii</i>
323	<i>Anaerococcus</i> sp.
324	<i>Anaerococcus tetradius</i>
325	<i>Anaerococcus vaginalis</i>
326	<i>Anaerofustis stercorihominis</i>
327	<i>Anaeroglobus geminatus</i>
328	<i>Anaeromusa acidaminophila</i>
329	<i>Anaeromyxobacter dehalogenans</i>
330	<i>Anaeromyxobacter</i> sp.
331	<i>Anaerophaga thermohalophila</i>
332	<i>Anaerostipes caccae</i>
333	<i>Anaerostipes hadrus</i>
334	<i>Anaerotruncus colihominis</i>
335	<i>Anaerotruncus</i> sp.
336	<i>Anaerovibrio lipolyticus</i>
337	<i>Anaerovibrio</i> sp.
338	<i>Anaerovorax odorimutans</i>
339	<i>Anas platyrhynchos</i>
340	<i>Andalucia godoyi</i>
341	<i>Aneurinibacillus aneurinilyticus</i>
342	<i>Anolis carolinensis</i>

343	<i>Anopheles gambiae</i>
344	<i>Anoxybacillus flavithermus</i>
345	<i>Anoxybacillus tepidamans</i>
346	<i>Aotus nancymae</i>
347	<i>Aphanizomenon flos-aquae</i>
348	<i>Aphanomyces invadans</i>
349	<i>Apis dorsata</i>
350	<i>Apis florea</i>
351	<i>Apis mellifera</i>
352	<i>Aplysia californica</i>
353	<i>Aptenodytes forsteri</i>
354	<i>Aquaspirillum serpens</i>
355	<i>Aquimarina agarilytica</i>
356	<i>Aquimarina latercula</i>
357	<i>Aquimarina macrocephali</i>
358	<i>Aquimarina megaterium</i>
359	<i>Aquimarina muelleri</i>
360	<i>Aquimarina</i> sp.
361	<i>Arabidopsis lyrata</i>
362	<i>Arabidopsis thaliana</i>
363	<i>Arcanobacterium haemolyticum</i>
364	<i>Arcobacter butzleri</i>
365	<i>Arcobacter cibarius</i>
366	<i>Arcobacter nitrofigilis</i>
367	<i>Arcobacter</i> sp.
368	<i>Arenibacter algicola</i>
369	<i>Arenibacter certesii</i>
370	<i>Arenibacter latericius</i>
371	<i>Arenimonas composti</i>
372	<i>Arenimonas oryziterrae</i>
373	<i>Arenitalea lutea</i>
374	<i>Arhodomonas aquaeolei</i>
375	<i>Aromatoleum aromaticum</i>
376	<i>Arsenicococcus bolidensis</i>
377	<i>Arsenophonus nasoniae</i>
378	<i>Arthrobacter arilaitensis</i>
379	<i>Arthrobacter aurescens</i>
380	<i>Arthrobacter castelli</i>
381	<i>Arthrobacter chlorophenolicus</i>
382	<i>Arthrobacter nicotinovorans</i>
383	<i>Arthrobacter phenanthrenivorans</i>
384	<i>Arthrobacter sanguinis</i>
385	<i>Arthrobacter</i> sp.
386	<i>Arthroderma benhamiae</i>
387	<i>Arthroderma gypseum</i>
388	<i>Asaia astilbes</i>
389	<i>Asaia platycodi</i>
390	<i>Asaia prunellae</i>
391	<i>Asaia</i> sp.
392	<i>Asterionellopsis glacialis</i>
393	<i>Asticcacaulis benevestitus</i>
394	<i>Asticcacaulis biprosthecum</i>
395	<i>Asticcacaulis excentricus</i>
396	<i>Asticcacaulis</i> sp.
397	<i>Astyanax mexicanus</i>
398	<i>Atopobacter phocae</i>
399	<i>Atopobium fossor</i>
400	<i>Atopobium minutum</i>

401	<i>Atopobium</i> sp.
402	<i>Atopobium vaginae</i>
403	<i>Atopococcus tabaci</i>
404	<i>Atribacteria bacterium</i>
405	<i>Aurantimonas coralicida</i>
406	<i>Aureococcus anophagefferens</i>
407	<i>Avibacterium paragallinarum</i>
408	<i>Azoarcus</i> sp.
409	<i>Azoarcus toluclasticus</i>
410	<i>Azohydromonas australica</i>
411	<i>Azonexus hydrophilus</i>
412	<i>Azorhizobium caulinodans</i>
413	<i>Azorhizobium doebereineriae</i>
414	<i>Azospirillum brasilense</i>
415	<i>Azospirillum halopraeferens</i>
416	<i>Azospirillum irakense</i>
417	<i>Azospirillum lipoferum</i>
418	<i>Azospirillum</i> sp.
419	<i>Azotobacter vinelandii</i>
420	<i>Azovibrio restrictus</i>
421	<i>Bacillus acidiproducens</i>
422	<i>Bacillus amyloliquefaciens</i>
423	<i>Bacillus anthracis</i>
424	<i>Bacillus atrophaeus</i>
425	<i>Bacillus aurantiacus</i>
426	<i>Bacillus bogoriensis</i>
427	<i>Bacillus cellulosilyticus</i>
428	<i>Bacillus cereus</i>
429	<i>Bacillus chagannorensis</i>
430	<i>Bacillus coagulans</i>
431	<i>Bacillus coahuilensis</i>
432	<i>Bacillus cytotoxicus</i>
433	<i>Bacillus endophyticus</i>
434	<i>Bacillus flexus</i>
435	<i>Bacillus fordii</i>
436	<i>Bacillus ginsengihumi</i>
437	<i>Bacillus halochares</i>
438	<i>Bacillus kribbensis</i>
439	<i>Bacillus licheniformis</i>
440	<i>Bacillus mannanilyticus</i>
441	<i>Bacillus massilioanorexius</i>
442	<i>Bacillus massiliosenegalensis</i>
443	<i>Bacillus megaterium</i>
444	<i>Bacillus mycoides</i>
445	<i>Bacillus panaciterrae</i>
446	<i>Bacillus phage</i>
447	<i>Bacillus pumilus</i>
448	<i>Bacillus selenitireducens</i>
449	<i>Bacillus siamensis</i>
450	<i>Bacillus smithii</i>
451	<i>Bacillus</i> sp.
452	<i>Bacillus subtilis</i>
453	<i>Bacillus thuringiensis</i>
454	<i>Bacillus timonensis</i>
455	<i>Bacillus toyonensis</i>
456	<i>Bacillus vallismortis</i>
457	<i>Bacteriophage Aaphi23,</i>
458	<i>Bacteriovorax marinus</i>

459	Bacterium JKG1
460	Bacteroidales bacterium
461	Balaenoptera acutorostrata
462	Balneola vulgaris
463	Barnesiella intestinihominis
464	Bartonella alsatica
465	Bartonella australis
466	Bartonella bacilliformis
467	Bartonella birtlesii
468	Bartonella bovis
469	Bartonella clarridgeiae
470	Bartonella henselae
471	Bartonella schoenbuchensis
472	Bartonella tamiae
473	Bartonella tribocorum
474	Baudoinia compniacensis
475	Bdellovibrio bacteriovorus
476	Bdellovibrio exovorus
477	Beijerinckia indica
478	Belliella baltica
479	Bergeyella zoohelcum
480	Beta proteobacterium
481	beta proteobacterium
482	Beutenbergia cavernae
483	Bibersteinia trehalosi
484	Bifidobacterium adolescentis
485	Bifidobacterium angulatum
486	Bifidobacterium animalis
487	Bifidobacterium asteroides
488	Bifidobacterium bifidum
489	Bifidobacterium breve
490	Bifidobacterium choerinum
491	Bifidobacterium dentium
492	Bifidobacterium longum
493	Bifidobacterium pseudocatenulatum
494	Bifidobacterium pseudolongum
495	Bifidobacterium sp.
496	Bifidobacterium subtile
497	Bifidobacterium thermacidophilum
498	Bilophila wadsworthia
499	Bipolaris zeicola
500	Blastococcus saxosidens
501	Blastococcus sp.
502	Blastomonas sp.
503	Blattabacterium sp.
504	Blautia hansenii
505	Blautia hydrogenotrophica
506	Blautia producta
507	Blautia sp.
508	Blautia wexlerae
509	Bombus impatiens
510	Bombus terrestris
511	Bombyx mori
512	Bordetella bronchiseptica
513	Bordetella hinzii
514	Bordetella holmesii
515	Bordetella parapertussis
516	Bordetella pertussis

517	Bordetella petrii
518	Bordetella phage
519	Bordetella sp.
520	Bordetella trematum
521	Borrelia anserina
522	Borrelia bissettii
523	Borrelia burgdorferi
524	Borrelia coriaceae
525	Borrelia crocidurae
526	Borrelia hermsii
527	Borrelia hispanica
528	Borrelia persica
529	Borrelia turicatae
530	Bos mutus
531	Bos taurus
532	Bosea sp.
533	Botryotinia fuckeliana
534	Brachybacterium faecium
535	Brachybacterium muris
536	Brachybacterium paraconglomeratum
537	Brachybacterium squillarum
538	Brachymonas chironomi
539	Brachymonas denitrificans
540	Brachypodium distachyon
541	Brachyspira alvinipulli
542	Brachyspira hyodysenteriae
543	Brachyspira innocens
544	Brachyspira murdochii
545	Brachyspira pilosicoli
546	Brachyspira sp.
547	Bradyrhizobium elkani
548	Bradyrhizobium japonicum
549	Bradyrhizobium sp.
550	Branchiostoma floridae
551	Brassica rapa
552	BRC1 bacterium
553	Brenneria sp.
554	Brevibacillus agri
555	Brevibacillus borstelensis
556	Brevibacillus brevis
557	Brevibacillus laterosporus
558	Brevibacillus massiliensis,
559	Brevibacillus panacihumi
560	Brevibacillus thermoruber
561	Brevibacterium album
562	Brevibacterium linens
563	Brevibacterium massiliense
564	Brevibacterium senegalense,
565	Brevibacterium sp.
566	Brevundimonas aveniformis
567	Brevundimonas diminuta
568	Brevundimonas naejangsanensis
569	Brevundimonas sp.
570	Brevundimonas subvibrioides
571	Brucella sp.
572	Brugia malayi
573	Bubalus bubalis
574	Buchnera aphidicola

575	<i>Budvicia aquatica</i>
576	<i>Burkholderia ambifaria</i>
577	<i>Burkholderia andropogonis</i>
578	<i>Burkholderia bannensis</i>
579	<i>Burkholderia bryophila</i>
580	<i>Burkholderia caledonica</i>
581	<i>Burkholderia cenocepacia</i>
582	<i>Burkholderia cepacia</i>
583	<i>Burkholderia dilworthii</i>
584	<i>Burkholderia dolosa</i>
585	<i>Burkholderia ferrariae</i>
586	<i>Burkholderia fungorum</i>
587	<i>Burkholderia gladioli</i>
588	<i>Burkholderia glumae</i>
589	<i>Burkholderia kururiensis</i>
590	<i>Burkholderia mallei</i>
591	<i>Burkholderia mimosarum</i>
592	<i>Burkholderia multivorans</i>
593	<i>Burkholderia nodosa</i>
594	<i>Burkholderia oklahomensis</i>
595	<i>Burkholderia oxyphila</i>
596	<i>Burkholderia phenoliruptrix</i>
597	<i>Burkholderia phymatum</i>
598	<i>Burkholderia phytofirmans</i>
599	<i>Burkholderia pseudomallei</i>
600	<i>Burkholderia pyrrocinia</i>
601	<i>Burkholderia rhizoxinica</i>
602	<i>Burkholderia sordidicola</i>
603	<i>Burkholderia</i> sp.
604	<i>Burkholderia sprentiae</i>
605	<i>Burkholderia thailandensis</i>
606	<i>Burkholderia ubonensis</i>
607	<i>Burkholderia vietnamiensis</i>
608	<i>Burkholderia xenovorans</i>
609	<i>Burkholderiales</i> bacterium
610	Butyrate-producing bacterium
611	<i>Butyricoccus pullicaecorum</i>
612	<i>Butyricimonas synergistica</i>
613	<i>Butyricimonas virosa</i>
614	<i>Butyrivibrio crossotus</i>
615	<i>Butyrivibrio fibrisolvens</i>
616	<i>Butyrivibrio hungatei</i>
617	<i>Butyrivibrio proteoclasticus</i>
618	<i>Butyrivibrio</i> sp.
619	<i>Buzura suppressaria</i>
620	<i>Caenorhabditis briggsae</i>
621	<i>Caenorhabditis elegans</i>
622	<i>Caenorhabditis remanei</i>
623	<i>Caldanaerobacter subterraneus</i>
624	<i>Caldanaerobius polysaccharolyticus</i>
625	<i>Caldicellulosiruptor bescii</i>
626	<i>Caldicellulosiruptor hydrothermalis</i>
627	<i>Caldicellulosiruptor lactoaceticus</i>
628	<i>Caldicellulosiruptor saccharolyticus</i>
629	<i>Caldicoproacter oshimai</i>
630	<i>Caldilinea aerophila</i>
631	<i>Caldimonas manganoxidans</i>
632	<i>Calditerrivibrio nitroreducens</i>

633	<i>Caldithrix abyssi</i>
634	<i>Caescamantes bacterium</i>
635	<i>Callithrix jacchus</i>
636	<i>Callorhynchus milii</i>
637	<i>Caloramator</i> sp.
638	<i>Calothrix</i> sp.
639	<i>Calypte anna</i>
640	<i>Camelus ferus</i>
641	<i>Campylobacter coli</i>
642	<i>Campylobacter cuniculorum</i>
643	<i>Campylobacter curvus</i>
644	<i>Campylobacter fetus</i>
645	<i>Campylobacter hominis</i>
646	<i>Campylobacter jejuni</i>
647	<i>Campylobacter lari</i>
648	<i>Campylobacter</i> sp.
649	<i>Campylobacter upsaliensis</i>
650	<i>Campylobacter ureolyticus</i>
651	<i>Campylobacterales</i> bacterium
652	<i>Candida albicans</i>
653	<i>Candida dubliniensis</i>
654	<i>Candida tropicalis</i>
655	Candidate division
656	<i>Candidatus Accumulibacter</i>
657	<i>Candidatus Alistipes</i>
658	<i>Candidatus Amoebophilus</i>
659	<i>Candidatus Ancillula</i>
660	<i>Candidatus Arthromitus</i>
661	<i>Candidatus Blochmannia</i>
662	<i>Candidatus Burkholderia</i>
663	<i>Candidatus Caldatribacterium</i>
664	<i>Candidatus Caldiarchaeum</i>
665	<i>Candidatus Chloracidobacterium</i>
666	<i>Candidatus Cloacamonas</i>
667	<i>Candidatus Desulforudis</i>
668	<i>Candidatus Endolissoclinum</i>
669	<i>Candidatus Hamiltonella</i>
670	<i>Candidatus Hepatobacter</i>
671	<i>Candidatus Hydrogenedens</i>
672	<i>Candidatus Kinetoplastibacterium</i>
673	<i>Candidatus Koribacter</i>
674	<i>Candidatus Nasuia</i>
675	<i>Candidatus Nitrospira</i>
676	<i>Candidatus Omnitrophus</i>
677	<i>Candidatus Pelagibacter</i>
678	<i>Candidatus Poribacteria</i>
679	<i>Candidatus Protochlamydia</i>
680	<i>Candidatus Puniceispirillum</i>
681	<i>Candidatus Rickettsia</i>
682	<i>Candidatus Saccharibacteria</i>
683	<i>Candidatus Saccharimonas</i>
684	<i>Candidatus Schmidhempelia</i>
685	<i>Candidatus Solibacter</i>
686	<i>Candidatus Stoquefichus</i>
687	<i>Candidatus Sulcia</i>
688	<i>Candidatus Uzinura</i>
689	<i>Candidatus Zinderia</i>
690	<i>Canis lupus</i>

691	<i>Capnocytophaga canimorsus</i>
692	<i>Capnocytophaga cynodegmi</i>
693	<i>Capnocytophaga granulosa</i>
694	<i>Capnocytophaga haemolytica</i>
695	<i>Capnocytophaga leadbetteri</i>
696	<i>Capnocytophaga</i> sp.
697	<i>Capra hircus</i>
698	<i>Capsaspora owczarzaki</i>
699	<i>Capsella rubella</i>
700	<i>Carboxydibrachium pacificum</i>
701	<i>Carboxydotherrnus hydrogenoformans</i>
702	<i>Cardinium endosymbiont</i>
703	<i>Cardiobacterium valvarum</i>
704	<i>Carnobacterium jeotgali</i>
705	<i>Carnobacterium maltaromaticum</i>
706	<i>Carnobacterium</i> sp.
707	<i>Catelliglobospora koreensis</i>
708	<i>Catenibacterium</i> sp.
709	<i>Catenovulum agarivorans</i>
710	<i>Catenulispora acidiphila</i>
711	<i>Caulobacter crescentus</i>
712	<i>Caulobacter segnis</i>
713	<i>Caulobacter</i> sp.
714	<i>Caulobacteraceae bacterium</i>
715	<i>Cavia porcellus</i>
716	<i>Cedecea davisae</i>
717	<i>Cellulomonas fimi</i>
718	<i>Cellulomonas flavigena</i>
719	<i>Cellulomonas massiliensis</i>
720	<i>Cellulomonas</i> sp.
721	<i>Cellulophaga algicola</i>
722	<i>Cellulophaga baltica</i>
723	<i>Cellulophaga lytica</i>
724	<i>Cellulosimicrobium cellulans</i>
725	<i>Cellvibrio gilvus</i>
726	<i>Cellvibrio japonicus</i>
727	<i>Centipeda periodontii</i>
728	<i>Ceratitidis capitata</i>
729	<i>Ceratotherium simum</i>
730	<i>Cetobacterium somerae</i>
731	<i>Chamaesiphon minutus</i>
732	<i>Chelativorans</i> sp.
733	<i>Chelatococcus</i> sp.
734	<i>Chelonia mydas</i>
735	<i>Chinchilla lanigera</i>
736	<i>Chitinibacter tainanensis</i>
737	<i>Chitinilyticum aquatile</i>
738	<i>Chitinilyticum litopenaei</i>
739	<i>Chitinimonas koreensis</i>
740	<i>Chitinophilus shinanonensis</i>
741	<i>Chitinophaga pinensis</i>
742	<i>Chitinophaga</i> sp.
743	<i>Chlamydia muridarum</i>
744	<i>Chlamydia psittaci</i>
745	<i>Chlamydomonas reinhardtii</i>
746	<i>Chlamydomonada sp.</i>
747	<i>Chlorobaculum parvum</i>
748	<i>Chlorobium chlorochromatii</i>

749	<i>Chlorobium limicola</i>
750	<i>Chlorobium luteolum</i>
751	<i>Chlorobium phaeobacteroides</i>
752	<i>Chlorobium phaeovibrioides</i>
753	<i>Chlorocephalus sabaicus</i>
754	<i>Chloroflexi bacterium</i>
755	<i>Chloroflexus aggregans</i>
756	<i>Chloroflexus</i> sp.
757	<i>Chlorogloeopsis fritschii</i>
758	<i>Chloroherpeton thalassium</i>
759	<i>Chloepus hoffmanni</i>
760	<i>Chromobacterium violaceum</i>
761	<i>Chromohalobacter salexigens</i>
762	<i>Chroococciopsis thermalis</i>
763	<i>Chrysemys picta</i>
764	<i>Chryseobacterium aquaticum</i>
765	<i>Chryseobacterium caeni</i>
766	<i>Chryseobacterium daeguense</i>
767	<i>Chryseobacterium gleum</i>
768	<i>Chryseobacterium gregarium</i>
769	<i>Chryseobacterium haifense</i>
770	<i>Chryseobacterium hispalense</i>
771	<i>Chryseobacterium palustre</i>
772	<i>Chryseobacterium</i> sp.
773	<i>Chryseobacterium taeanense</i>
774	<i>Chryseobacterium treverense</i>
775	<i>Chrysochloris asiatica</i>
776	<i>Chthonomonas calidirosea</i>
777	<i>Cicer arietinum</i>
778	<i>Ciona intestinalis</i>
779	<i>Citricella</i> sp.
780	<i>Citricoccus</i> sp.
781	<i>Citrobacter freundii</i>
782	<i>Citrobacter koseri</i>
783	<i>Citrobacter rodentium</i>
784	<i>Citrobacter</i> sp.
785	<i>Citrobacter youngae</i>
786	<i>Citromicrobium bathyomarinum</i>
787	<i>Citrus clementina</i>
788	<i>Citrus sinensis</i>
789	<i>Cladophialophora carrionii</i>
790	<i>Clavibacter michiganensis</i>
791	<i>Cloacibacterium haliotis</i>
792	<i>Cloacimonetes bacterium</i>
793	<i>Clostridiales bacterium</i>
794	<i>Clostridiales genomsp.</i>
795	<i>Clostridiisalibacter paucivorans</i>
796	<i>Clostridium acetobutylicum</i>
797	<i>Clostridium acidurici</i>
798	<i>Clostridium akagii</i>
799	<i>Clostridium algidicarnis</i>
800	<i>Clostridium arbusti</i>
801	<i>Clostridium asparagiforme</i>
802	<i>Clostridium autoethanogenum</i>
803	<i>Clostridium bartlettii</i>
804	<i>Clostridium beijerinckii</i>
805	<i>Clostridium boltea</i>
806	<i>Clostridium botulinum</i>

807	<i>Clostridium butyricum</i>
808	<i>Clostridium cadaveris</i>
809	<i>Clostridium carboxidivorans</i>
810	<i>Clostridium celatum</i>
811	<i>Clostridium cellulolyticum</i>
812	<i>Clostridium cellulovorans</i>
813	<i>Clostridium</i> cf.
814	<i>Clostridium citroniae</i>
815	<i>Clostridium clariflavum</i>
816	<i>Clostridium clostridioforme</i>
817	<i>Clostridium colicanis</i>
818	<i>Clostridium difficile</i>
819	<i>Clostridium glycolicum</i>
820	<i>Clostridium hathewayi</i>
821	<i>Clostridium hiranonis</i>
822	<i>Clostridium hydrogeniformans</i>
823	<i>Clostridium hylemonae</i>
824	<i>Clostridium innocuum</i>
825	<i>Clostridium intestinale</i>
826	<i>Clostridium kluyveri</i>
827	<i>Clostridium lentocellum</i>
828	<i>Clostridium leptum</i>
829	<i>Clostridium ljungdahlii</i>
830	<i>Clostridium lundense</i>
831	<i>Clostridium methylpentosum</i>
832	<i>Clostridium nexile</i>
833	<i>Clostridium novyi</i>
834	<i>Clostridium paraputrificum</i>
835	<i>Clostridium pasteurianum</i>
836	<i>Clostridium perfringens</i>
837	<i>Clostridium phage</i>
838	<i>Clostridium phytofermentans</i>
839	<i>Clostridium ramosum</i>
840	<i>Clostridium saccharobutylicum</i>
841	<i>Clostridium saccharolyticum</i>
842	<i>Clostridium saccharoperbutylacetonicum</i>
843	<i>Clostridium scatologenes</i>
844	<i>Clostridium scindens</i>
845	<i>Clostridium senegalense</i>
846	<i>Clostridium</i> sp.
847	<i>Clostridium spiroforme</i>
848	<i>Clostridium sporogenes</i>
849	<i>Clostridium sporosphaeroides</i>
850	<i>Clostridium stercorearium</i>
851	<i>Clostridium symbiosum</i>
852	<i>Clostridium tetani</i>
853	<i>Clostridium thermocellum</i>
854	<i>Clostridium tunisiense</i>
855	<i>Clostridium tyrobutyricum</i>
856	<i>Clostridium ultunense</i>
857	<i>Cobetia crustatorum</i>
858	<i>Cohnella laeviribosi</i>
859	<i>Cohnella panacarvi</i>
860	<i>Cohnella thermotolerans</i>
861	<i>Collimonas fungivorans</i>
862	<i>Collinsella intestinalis</i>
863	<i>Collinsella</i> sp.
864	<i>Collinsella stercoris</i>

865	<i>Collinsella tanakaei</i>
866	<i>Columba livia</i>
867	<i>Colwellia piezophila</i>
868	<i>Colwellia psychrerythraea</i>
869	Comamonadaceae bacterium
870	<i>Comamonas badia</i>
871	<i>Comamonas composti</i>
872	<i>Comamonas</i> sp.
873	<i>Comamonas testosteroni</i>
874	complete chromosome
875	<i>Conchiformibius kuhniae</i>
876	<i>Conchiformibius steedae</i>
877	<i>Condylura cristata</i>
878	<i>Conexibacter woesei</i>
879	<i>Congregibacter litoralis</i>
880	<i>Coprobacillus</i> sp.
881	<i>Coprobacter fastidiosus</i>
882	<i>Coprococcus catus</i>
883	<i>Coprococcus comes</i>
884	<i>Coprococcus eutactus</i>
885	<i>Coprococcus</i> sp.
886	<i>Coprothermobacter platensis</i>
887	<i>Coraliomargarita akajimensis</i>
888	<i>Corallococcus coralloides</i>
889	<i>Corallococcus</i> sp.
890	<i>Cordyceps militaris</i>
891	Coriobacteriaceae bacterium
892	<i>Corvus brachyrhynchos</i>
893	<i>Corynebacterium accolens</i>
894	<i>Corynebacterium argentoratense</i>
895	<i>Corynebacterium aurimucosum</i>
896	<i>Corynebacterium bovis</i>
897	<i>Corynebacterium capitovis</i>
898	<i>Corynebacterium caspium</i>
899	<i>Corynebacterium crenatum</i>
900	<i>Corynebacterium diphtheriae</i>
901	<i>Corynebacterium doosanense</i>
902	<i>Corynebacterium durum</i>
903	<i>Corynebacterium efficiens</i>
904	<i>Corynebacterium freiburgense</i>
905	<i>Corynebacterium genitalium</i>
906	<i>Corynebacterium glucuronolyticum</i>
907	<i>Corynebacterium glutamicum</i>
908	<i>Corynebacterium halotolerans</i>
909	<i>Corynebacterium jeikeium</i>
910	<i>Corynebacterium kroppenstedtii</i>
911	<i>Corynebacterium lipophiloflavum</i>
912	<i>Corynebacterium lubricantis</i>
913	<i>Corynebacterium maris</i>
914	<i>Corynebacterium mastitidis</i>
915	<i>Corynebacterium nuruki</i>
916	<i>Corynebacterium pilosum</i>
917	<i>Corynebacterium pseudodiphtheriticum</i>
918	<i>Corynebacterium pseudogenitalium</i>
919	<i>Corynebacterium pseudotuberculosis</i>
920	<i>Corynebacterium pyruviciproducens</i>
921	<i>Corynebacterium resistens</i>
922	<i>Corynebacterium</i> sp.

923	<i>Corynebacterium sputi</i>
924	<i>Corynebacterium striatum</i>
925	<i>Corynebacterium terpenotabidum</i>
926	<i>Corynebacterium ulcerans</i>
927	<i>Corynebacterium ulceribovis</i>
928	<i>Corynebacterium urealyticum</i>
929	<i>Corynebacterium variabile</i>
930	<i>Corynebacterium-like bacterium</i>
931	<i>Cricetulus griseus</i>
932	<i>Crinalium epipsammum</i>
933	<i>Croceibacter atlanticus</i>
934	<i>Crocinitomix catalasitica</i>
935	<i>Cronobacter helveticus</i>
936	<i>Cronobacter pulveris</i>
937	<i>Cronobacter sakazakii</i>
938	<i>Cronobacter sp.</i>
939	<i>Cronobacter turicensis</i>
940	<i>Cronobacter zurichensis</i>
941	<i>Cryocola sp.</i>
942	<i>Cryptobacterium curtum</i>
943	<i>Cryptosporidium muris</i>
944	<i>Cucumis melo</i>
945	<i>Cucumis sativus</i>
946	<i>Culex pipiens</i>
947	<i>Cupriavidus metallidurans</i>
948	<i>Cupriavidus necator</i>
949	<i>Cupriavidus sp.</i>
950	<i>Cupriavidus taiwanensis</i>
951	<i>Curtobacterium flaccumfaciens</i>
952	<i>Curtobacterium sp.</i>
953	<i>Curvibacter gracilis</i>
954	<i>Curvibacter lanceolatus</i>
955	<i>Cyanidioschyzon merolae</i>
956	<i>Cyanobacterium UCYN-A,</i>
957	<i>Cyanobium gracile</i>
958	<i>Cyanophage MED4-213,</i>
959	<i>Cyanothece sp.</i>
960	<i>Cyclobacterium marinum</i>
961	<i>Cycloclasticus pugetii</i>
962	<i>Cylindrospermum stagnale</i>
963	<i>Cynoglossus semilaevis</i>
964	<i>Cytophaga aurantiaca</i>
965	<i>Cytophaga fermentans</i>
966	<i>Cytophaga hutchinsonii</i>
967	<i>Cytophagales bacterium</i>
968	<i>Dactylococcopsis salina</i>
969	<i>Danio rerio</i>
970	<i>Dasypus novemcinctus</i>
971	<i>Debaryomyces hansenii</i>
972	<i>Dechloromonas agitata</i>
973	<i>Dechloromonas aromatica</i>
974	<i>Dechlorosoma suillum</i>
975	<i>Deefgea rivuli</i>
976	<i>Deferribacter desulfuricans</i>
977	<i>Dehalobacter sp.</i>
978	<i>Dehalococcoides ethenogenes</i>
979	<i>Dehalococcoides mccartyi</i>
980	<i>Dehalococcoidia bacterium</i>

981	<i>Deinococcus apachensis</i>
982	<i>Deinococcus aquatilis</i>
983	<i>Deinococcus deserti</i>
984	<i>Deinococcus ficus</i>
985	<i>Deinococcus frigens</i>
986	<i>Deinococcus geothermalis</i>
987	<i>Deinococcus gobiensis</i>
988	<i>Deinococcus maricopensis</i>
989	<i>Deinococcus murrayi</i>
990	<i>Deinococcus peraridilitoris</i>
991	<i>Deinococcus pimensis</i>
992	<i>Deinococcus radiodurans</i>
993	<i>Deinococcus sp.</i>
994	<i>Deinococcus wulumuqiensis</i>
995	<i>Delftia acidovorans</i>
996	<i>Delftia sp.</i>
997	<i>delta proteobacterium</i>
998	<i>Delta proteobacterium</i>
999	<i>Demetria terrigena</i>
1000	<i>Dermabacter sp.</i>
1001	<i>Dermatophilus congolensis</i>
1002	<i>Derxia gummosa</i>
1003	<i>Desmospora sp.</i>
1004	<i>Desulfarculus baarsii</i>
1005	<i>Desulfatibacillum alkenivorans</i>
1006	<i>Desulfatirhabdium butyrativorans</i>
1007	<i>Desulfitobacterium dichloroeliminans</i>
1008	<i>Desulfitobacterium hafniense</i>
1009	<i>Desulfobacca acetoxidans</i>
1010	<i>Desulfobacter curvatus</i>
1011	<i>Desulfobacter postgatei</i>
1012	<i>Desulfobacterium autotrophicum</i>
1013	<i>Desulfobacula toluolica</i>
1014	<i>Desulfobulbus elongatus</i>
1015	<i>Desulfobulbus mediterraneus</i>
1016	<i>Desulfobulbus propionicus</i>
1017	<i>Desulfocapsa sulfexigens</i>
1018	<i>Desulfococcus oleovorans</i>
1019	<i>Desulfocurvus vexinensis</i>
1020	<i>Desulfomicrobium escambiense</i>
1021	<i>Desulfonatronum lacustre</i>
1022	<i>Desulfonatronum thiodismutans</i>
1023	<i>Desulforegula conservatrix</i>
1024	<i>Desulfosarcina sp.</i>
1025	<i>Desulfospira joergensenii</i>
1026	<i>Desulfosporosinus meridiei</i>
1027	<i>Desulfosporosinus orientis</i>
1028	<i>Desulfosporosinus youngiae</i>
1029	<i>Desulfotignum balticum</i>
1030	<i>Desulfotomaculum acetoxidans</i>
1031	<i>Desulfotomaculum alcoholivorax</i>
1032	<i>Desulfotomaculum alkaliphilum</i>
1033	<i>Desulfotomaculum gibsoniae</i>
1034	<i>Desulfotomaculum kuznetsovii</i>
1035	<i>Desulfotomaculum nigrificans</i>
1036	<i>Desulfotomaculum reducens</i>
1037	<i>Desulfotomaculum ruminis</i>
1038	<i>Desulfovermiculus halophilus</i>

1039	<i>Desulfovibrio aespoensis</i>
1040	<i>Desulfovibrio africanus</i>
1041	<i>Desulfovibrio alaskensis</i>
1042	<i>Desulfovibrio alcoholivorans</i>
1043	<i>Desulfovibrio aminophilus</i>
1044	<i>Desulfovibrio</i> cf.
1045	<i>Desulfovibrio desulfuricans</i>
1046	<i>Desulfovibrio frigidus</i>
1047	<i>Desulfovibrio gigas</i>
1048	<i>Desulfovibrio inopinatus</i>
1049	<i>Desulfovibrio magneticus</i>
1050	<i>Desulfovibrio piezophilus</i>
1051	<i>Desulfovibrio piger</i>
1052	<i>Desulfovibrio putealis</i>
1053	<i>Desulfovibrio</i> sp.
1054	<i>Desulfovibrio vulgaris</i>
1055	<i>Desulfoviregula thermocuniculi</i>
1056	<i>Desulfurispirillum indicum</i>
1057	<i>Desulfurispora thermophila</i>
1058	<i>Desulfurivibrio alkaliphilus</i>
1059	<i>Desulfurobacterium thermolithotrophum</i>
1060	<i>Desulfuromonas</i> sp.
1061	<i>Dialister micraerophilus</i>
1062	<i>Dialister pneumosintes</i>
1063	<i>Dialister</i> sp.
1064	<i>Dialister succinatiphilus</i>
1065	<i>Diaphorina citri</i>
1066	<i>Dichelobacter nodosus</i>
1067	<i>Dickeya chrysanthemi</i>
1068	<i>Dickeya dadantii</i>
1069	<i>Dickeya dianthicola</i>
1070	<i>Dickeya paradisiaca</i>
1071	<i>Dickeya solani</i>
1072	<i>Dickeya zeae</i>
1073	<i>Dictyoglomus thermophilum</i>
1074	<i>Dictyoglomus turgidum</i>
1075	<i>Dictyostelium discoideum</i>
1076	<i>Dictyostelium fasciculatum</i>
1077	<i>Dictyostelium purpureum</i>
1078	<i>Dielma fastidiosa</i>
1079	<i>Dietzia</i> sp.
1080	<i>Dinoroseobacter shibae</i>
1081	<i>Dolichospermum circinale</i>
1082	<i>Dolosigranulum pigrum</i>
1083	<i>Dongia</i> sp.
1084	<i>Dorea formicigenerans</i>
1085	<i>Dorea longicatena</i>
1086	<i>Dorea</i> sp.
1087	<i>Drosophila ananassae</i>
1088	<i>Drosophila erecta</i>
1089	<i>Drosophila grimshawi</i>
1090	<i>Drosophila melanogaster</i>
1091	<i>Drosophila mojavensis</i>
1092	<i>Drosophila persimilis</i>
1093	<i>Drosophila sechellia</i>
1094	<i>Drosophila simulans</i>
1095	<i>Drosophila virilis</i>
1096	<i>Drosophila willistoni</i>

1097	<i>Drosophila yakuba</i>
1098	<i>Duganella violaceinigra</i>
1099	<i>Duganella zoogloeoides</i>
1100	<i>Durinskia baltica</i>
1101	<i>Dyadobacter alkalitolerans</i>
1102	<i>Dyadobacter beijingsensis</i>
1103	<i>Dyadobacter crusticola</i>
1104	<i>Dyadobacter fermentans</i>
1105	<i>Dyadobacter tibetensis</i>
1106	<i>Dyella ginsengisoli</i>
1107	<i>Dyella japonica</i>
1108	<i>Dysgonomonas capnocytophagoideis</i>
1109	<i>Dysgonomonas gadei</i>
1110	<i>Dysgonomonas mossii</i>
1111	<i>Echinicola pacifica</i>
1112	<i>Echinicola vietnamensis</i>
1113	<i>Echinops telfairi</i>
1114	<i>Edwardsiella hoshinae</i>
1115	<i>Edwardsiella tarda</i>
1116	<i>Eggerthella lenta</i>
1117	<i>Eggerthella</i> sp.
1118	<i>Eggerthia catenaformis</i>
1119	<i>Ehrlichia canis</i>
1120	<i>Ehrlichia chaffeensis</i>
1121	<i>Ehrlichia ruminantium</i>
1122	<i>Elephantulus edwardii</i>
1123	<i>Elioraea tepidiphila</i>
1124	<i>Elizabethkingia anophelis</i>
1125	<i>Elizabethkingia meningoseptica</i>
1126	<i>Elusimicrobium minutum</i>
1127	<i>Emiliana huxleyi</i>
1128	<i>Empedobacter brevis</i>
1129	<i>Emticicia oligotrophica</i>
1130	<i>Endozoicomonas elysicola</i>
1131	<i>Ensifer adhaerens</i>
1132	<i>Ensifer</i> sp.
1133	<i>Entamoeba dispar</i>
1134	<i>Entamoeba histolytica</i>
1135	<i>Entamoeba invadens</i>
1136	<i>Entamoeba nuttalli</i>
1137	<i>Enterobacter aerogenes</i>
1138	<i>Enterobacter asburiae</i>
1139	<i>Enterobacter cloacae</i>
1140	<i>Enterobacter hormaechei</i>
1141	<i>Enterobacter mori</i>
1142	<i>Enterobacter radicincitans</i>
1143	<i>Enterobacter</i> sp.
1144	<i>Enterobacteriaceae bacterium</i>
1145	<i>Enterococcus avium</i>
1146	<i>Enterococcus caecae</i>
1147	<i>Enterococcus casseliflavus</i>
1148	<i>Enterococcus cecorum</i>
1149	<i>Enterococcus columbae</i>
1150	<i>Enterococcus dispar</i>
1151	<i>Enterococcus durans</i>
1152	<i>Enterococcus faecalis</i>
1153	<i>Enterococcus faecium</i>
1154	<i>Enterococcus gallinarum</i>

1155	<i>Enterococcus gilvus</i>
1156	<i>Enterococcus haemoperoxidus</i>
1157	<i>Enterococcus italicus</i>
1158	<i>Enterococcus moraviensis</i>
1159	<i>Enterococcus pallens</i>
1160	<i>Enterococcus phoeniculicola</i>
1161	<i>Enterococcus raffinosus</i>
1162	<i>Enterococcus saccharolyticus</i>
1163	<i>Enterococcus</i> sp.
1164	<i>Enterococcus sulfureus</i>
1165	<i>Enterorhabdus caecimuris</i>
1166	<i>Enterorhabdus mucosicola</i>
1167	<i>Enterovibrio calviensis</i>
1168	<i>Enterovibrio norvegicus</i>
1169	<i>Entomoplasma lucivorax</i>
1170	<i>Entomoplasma melaleucae</i>
1171	<i>Entomoplasma somnilux</i>
1172	<i>Epilithonimonas tenax</i>
1173	<i>Eptesicus fuscus</i>
1174	<i>Epulopiscium</i> sp.
1175	<i>Equus caballus</i>
1176	<i>Equus przewalskii</i>
1177	<i>Eremococcus coleocola</i>
1178	<i>Erinaceus europaeus</i>
1179	<i>Erwinia amylovora</i>
1180	<i>Erwinia billingiae</i>
1181	<i>Erwinia pyrifoliae</i>
1182	<i>Erwinia</i> sp.
1183	<i>Erwinia tasmaniensis</i>
1184	<i>Erwinia toletana</i>
1185	<i>Erwinia tracheiphila</i>
1186	<i>Erysipelothrix rhusiopathiae</i>
1187	<i>Erysipelothrix tonsillarum</i>
1188	<i>Erysipelotrichaceae bacterium</i>
1189	<i>Erythrobacter litoralis</i>
1190	<i>Erythrobacter</i> sp.
1191	<i>Escherichia albertii</i>
1192	<i>Escherichia blattae</i>
1193	<i>Escherichia coli</i>
1194	<i>Escherichia fergusonii</i>
1195	<i>Escherichia</i> sp.
1196	<i>Ethanoligenens harbinense</i>
1197	<i>Eubacteriaceae bacterium</i>
1198	<i>Eubacterium bifforme</i>
1199	<i>Eubacterium brachy</i>
1200	<i>Eubacterium cellulosolvens</i>
1201	<i>Eubacterium cylindroides</i>
1202	<i>Eubacterium desmolans</i>
1203	<i>Eubacterium dolichum</i>
1204	<i>Eubacterium eligens</i>
1205	<i>Eubacterium hallii</i>
1206	<i>Eubacterium infirmum</i>
1207	<i>Eubacterium limosum</i>
1208	<i>Eubacterium plexicaudatum</i>
1209	<i>Eubacterium ramulus</i>
1210	<i>Eubacterium rectale</i>
1211	<i>Eubacterium saphenum</i>
1212	<i>Eubacterium siraeum</i>

1213	<i>Eubacterium</i> sp.
1214	<i>Eubacterium ventriosum</i>
1215	<i>Eubacterium xylanophilum</i>
1216	<i>Eubacterium yurii</i>
1217	<i>Eudoraea adriatica</i>
1218	<i>Eutrema salsugineum</i>
1219	<i>Exiguobacterium acetylicum</i>
1220	<i>Exiguobacterium antarcticum</i>
1221	<i>Exiguobacterium pavilionensis</i>
1222	<i>Exiguobacterium sibiricum</i>
1223	<i>Exiguobacterium</i> sp.
1224	<i>Facklamia hominis</i>
1225	<i>Facklamia ignava</i>
1226	<i>Facklamia languida</i>
1227	<i>Facklamia sourekii</i>
1228	<i>Faecalibacterium</i> cf.
1229	<i>Faecalibacterium prausnitzii</i>
1230	<i>Faecalibacterium</i> sp.
1231	<i>Falco cherrug</i>
1232	<i>Falco peregrinus</i>
1233	<i>Fangia hongkongensis</i>
1234	<i>Felis catus</i>
1235	<i>Ferrimonas balearica</i>
1236	<i>Ferrimonas kyonanensis</i>
1237	<i>Ferrimonas senticii</i>
1238	<i>Ferrovum myxofaciens</i>
1239	<i>Fervidobacterium nodosum</i>
1240	<i>Fervidobacterium pennivorans</i>
1241	<i>Fibrella aestuarina</i>
1242	<i>Fibrobacter succinogenes</i>
1243	<i>Ficedula albicollis</i>
1244	<i>Filifactor alocis</i>
1245	<i>Finegoldia magna</i>
1246	<i>Firmicutes bacterium</i>
1247	<i>Fischerella</i> sp.
1248	<i>Fischerella thermalis</i>
1249	<i>Flavobacteria bacterium</i>
1250	<i>Flavobacteriaceae bacterium</i>
1251	<i>Flavobacterium antarcticum</i>
1252	<i>Flavobacterium beibuense</i>
1253	<i>Flavobacterium branchiophilum</i>
1254	<i>Flavobacterium chungangense</i>
1255	<i>Flavobacterium columnare</i>
1256	<i>Flavobacterium daejeonense</i>
1257	<i>Flavobacterium denitrificans</i>
1258	<i>Flavobacterium filum</i>
1259	<i>Flavobacterium frigidarium</i>
1260	<i>Flavobacterium gelidilacus</i>
1261	<i>Flavobacterium indicum</i>
1262	<i>Flavobacterium johnsoniae</i>
1263	<i>Flavobacterium psychrophilum</i>
1264	<i>Flavobacterium rivuli</i>
1265	<i>Flavobacterium sasangense</i>
1266	<i>Flavobacterium soli</i>
1267	<i>Flavobacterium</i> sp.
1268	<i>Flavobacterium subsaxonicum</i>
1269	<i>Flavobacterium succinicans</i>
1270	<i>Flavobacterium suncheonense</i>

1271	<i>Flavobacterium tegetincola</i>
1272	<i>Flectobacillus major</i>
1273	<i>Flexibacter elegans</i>
1274	<i>Flexibacter litoralis</i>
1275	<i>Flexibacter roseolus</i>
1276	<i>Flexistipes sinusarabici</i>
1277	<i>Flexithrix dorotheae</i>
1278	<i>Fluoribacter dumoffii</i>
1279	<i>Fluviicola taffensis</i>
1280	<i>Fodinicurvata fenggangensis</i>
1281	<i>Fodinicurvata sediminis</i>
1282	<i>Fomitiporia mediterranea</i>
1283	<i>Fragaria vesca</i>
1284	<i>Francisella</i> cf.
1285	<i>Francisella noatunensis</i>
1286	<i>Francisella philomiragia</i>
1287	<i>Francisella</i> sp.
1288	<i>Frankia alni</i>
1289	<i>Frankia</i> sp.
1290	<i>Frankia symbiont</i>
1291	<i>Frateuria aurantia</i>
1292	<i>Fructobacillus fructosus</i>
1293	<i>Fusobacterium gonidiaformans</i>
1294	<i>Fusobacterium mortiferum</i>
1295	<i>Fusobacterium necrophorum</i>
1296	<i>Fusobacterium perfoetens</i>
1297	<i>Fusobacterium russii</i>
1298	<i>Fusobacterium</i> sp.
1299	<i>Fusobacterium ulcerans</i>
1300	<i>Fusobacterium varium</i>
1301	<i>Gaetbulibacter saemankumensis</i>
1302	<i>Gaeumannomyces graminis</i>
1303	<i>Galeopterus variegatus</i>
1304	<i>Gallibacterium anatis</i>
1305	<i>Gallionella capsiferiformans</i>
1306	<i>Gallionella</i> sp.
1307	<i>Gallus gallus</i>
1308	<i>gamma proteobacterium</i>
1309	<i>Gamma proteobacterium</i>
1310	<i>Gammaproteobacteria bacterium</i>
1311	<i>Gardnerella vaginalis</i>
1312	<i>Geitlerinema</i> sp.
1313	<i>Gelidibacter mesophilus</i>
1314	<i>Gemella bergeriae</i>
1315	<i>Gemella cuniculi</i>
1316	<i>Gemella sanguinis</i>
1317	<i>Geminococcus roseus</i>
1318	<i>Geminocystis herdmanii</i>
1319	<i>Gemmata obscuriglobus</i>
1320	<i>Gemmatimonadetes bacterium</i>
1321	<i>Gemmatimonas aurantiaca</i>
1322	<i>Gemmatimonas</i> sp.
1323	<i>Gemmobacter nectariphilus</i>
1324	<i>Geobacillus caldoxylosilyticus</i>
1325	<i>Geobacillus</i> sp.
1326	<i>Geobacillus thermodenitrificans</i>
1327	<i>Geobacillus thermoglucosidans</i>
1328	<i>Geobacillus vulcani</i>

1329	<i>Geobacter bemidjiensis</i>
1330	<i>Geobacter daltonii</i>
1331	<i>Geobacter lovleyi</i>
1332	<i>Geobacter</i> sp.
1333	<i>Geobacter uraniireducens</i>
1334	<i>Geodermatophilaceae bacterium</i>
1335	<i>Geodermatophilus obscurus</i>
1336	<i>Geopsychrobacter electrodiphilus</i>
1337	<i>Geospiza fortis</i>
1338	<i>Geothrix fermentans</i>
1339	<i>Gillisia limnaea</i>
1340	<i>Gillisia marina</i>
1341	<i>Gillisia</i> sp.
1342	<i>Gilvimarinus chinensis</i>
1343	<i>Glacielcola</i> sp.
1344	<i>Glaciibacter superstes</i>
1345	<i>Glarea lozoyensis</i>
1346	<i>Gloeobacter kilaueensis</i>
1347	<i>Gloeocapsa</i> sp.
1348	<i>Gloeophyllum trabeum</i>
1349	<i>Glomeribacter</i> sp.
1350	<i>Gluconacetobacter diazotrophicus</i>
1351	<i>Gluconacetobacter hansenii</i>
1352	<i>Gluconacetobacter oboediens</i>
1353	<i>Gluconacetobacter</i> sp.
1354	<i>Gluconacetobacter xylinus</i>
1355	<i>Gluconobacter oxydans</i>
1356	<i>Glycine max</i>
1357	<i>Glycomyces arizonensis</i>
1358	<i>Glycomyces</i> sp.
1359	<i>Glycomyces tenuis</i>
1360	<i>Gordonia amicalis</i>
1361	<i>Gordonia bronchialis</i>
1362	<i>Gordonia hirsuta</i>
1363	<i>Gordonia kroppenstedtii</i>
1364	<i>Gordonia polyisoprenivorans</i>
1365	<i>Gordonia</i> sp.
1366	<i>Gordonia westfalica</i>
1367	<i>Gordonibacter pamelaee</i>
1368	<i>Gorilla gorilla</i>
1369	<i>Gracilibacillus lacisalsi</i>
1370	<i>Gracilimonas tropica</i>
1371	<i>Gramella echinicola</i>
1372	<i>Gramella forsetii</i>
1373	<i>Gramella portivictoriae</i>
1374	<i>Granulibacter bethesdensis</i>
1375	<i>Granulicella mallensis</i>
1376	<i>Granulicoccus phenolivorans</i>
1377	<i>Gryllotalpica daejeonensis</i>
1378	<i>Gryllotalpica ginsengisoli</i>
1379	<i>Guillardia theta</i>
1380	<i>Gulosibacter molinativorax</i>
1381	<i>Haemophilus aegyptii</i>
1382	<i>Haemophilus ducreyi</i>
1383	<i>Haemophilus haemolyticus</i>
1384	<i>Haemophilus paraphrohaemolyticus</i>
1385	<i>Haemophilus parasuis</i>
1386	<i>Haemophilus phage</i>

1387	<i>Haemophilus somnus</i>
1388	<i>Haemophilus</i> sp.
1389	<i>Haemophilus sputorum</i>
1390	<i>Hafnia alvei</i>
1391	<i>Hahella chejuensis</i>
1392	<i>Halanaerobium hydrogeniformans</i>
1393	<i>Halanaerobium praevalens</i>
1394	<i>Haliangium ochraceum</i>
1395	<i>Haliea salexigens</i>
1396	<i>Haliscomenobacter hydrossis</i>
1397	<i>Hallella seregens</i>
1398	<i>Halobacillus halophilus</i>
1399	<i>Halobacterium salinarum</i>
1400	<i>Halobacteroides halobius</i>
1401	<i>Haloferax volcanii</i>
1402	<i>Haloglycomyces albus</i>
1403	<i>Halomonas anticariensis</i>
1404	<i>Halomonas boliviensis</i>
1405	<i>Halomonas halocynthiae</i>
1406	<i>Halomonas halodenitrificans</i>
1407	<i>Halomonas jeotgali</i>
1408	<i>Halomonas</i> sp.
1409	<i>Halomonas stevensii</i>
1410	<i>Halomonas zhanjiangensis</i>
1411	<i>Halomonas zincidurans</i>
1412	<i>Halonatronum saccharophilum</i>
1413	<i>Halopiger xanaduensis</i>
1414	<i>Halorhabdus utahensis</i>
1415	<i>Halorhodospira halochloris</i>
1416	<i>Halorubrum lacusprofundi</i>
1417	<i>Halotalea alkalilenta</i>
1418	<i>Halothermothrix orenii</i>
1419	<i>Halothiobacillus neapolitanus</i>
1420	<i>Halyomorpha halys</i>
1421	<i>Hamadaea tsunoensis</i>
1422	<i>Hammondia hammondi</i>
1423	<i>Helcococcus kunzii</i>
1424	<i>Helcococcus sueciensis</i>
1425	<i>Helicobacter acinonychis</i>
1426	<i>Helicobacter bilis</i>
1427	<i>Helicobacter canadensis</i>
1428	<i>Helicobacter canis</i>
1429	<i>Helicobacter cetorum</i>
1430	<i>Helicobacter cinaedi</i>
1431	<i>Helicobacter felis</i>
1432	<i>Helicobacter hepaticus</i>
1433	<i>Helicobacter macacae</i>
1434	<i>Helicobacter mustelae</i>
1435	<i>Helicobacter pametensis</i>
1436	<i>Helicobacter pullorum</i>
1437	<i>Helicobacter pylori</i>
1438	<i>Helicobacter rodentium</i>
1439	<i>Helicobacter winghamensis</i>
1440	<i>Helicobacterium modesticaldum</i>
1441	<i>Heliophilum fasciatum</i>
1442	<i>Helobdella robusta</i>
1443	<i>Henriciella marina</i>
1444	<i>Herbaspirillum frisingense</i>

1445	<i>Herbaspirillum lusitanum</i>
1446	<i>Herbaspirillum massiliense</i>
1447	<i>Herbaspirillum rubrisubalbicans</i>
1448	<i>Herbaspirillum seropedicae</i>
1449	<i>Herbidospora cretacea</i>
1450	<i>Herminiimonas arsenicoxydans</i>
1451	<i>Herminiimonas</i> sp.
1452	<i>Herpetosiphon aurantiacus</i>
1453	<i>Heterocephalus glaber</i>
1454	<i>Hippea maritima</i>
1455	<i>Hippea</i> sp.
1456	<i>Hirschia baltica</i>
1457	<i>Hoeflea</i> sp.
1458	<i>Holdemania filiformis</i>
1459	<i>Holophaga foetida</i>
1460	<i>Homo sapiens</i>
1461	<i>Humibacter albus</i>
1462	<i>Hydra magnipapillata</i>
1463	<i>Hydrogenovibrio marinus</i>
1464	<i>Hymenobacter aerophilus</i>
1465	<i>Hymenobacter norwichensis</i>
1466	<i>Hyphomicrobium denitrificans</i>
1467	<i>Hyphomicrobium nitratorans</i>
1468	<i>Hyphomicrobium</i> sp.
1469	<i>Hyphomicrobium zavarzinii</i>
1470	<i>Hyphomonas neptunium</i>
1471	<i>Ichthyophthirius multifiliis</i>
1472	<i>Ideonella</i> sp.
1473	<i>Idiomarina baltica</i>
1474	<i>Idiomarina sediminum</i>
1475	<i>Ignatzschineria larvae</i>
1476	<i>Ignavibacterium album</i>
1477	<i>Ignisphaera aggregans</i>
1478	<i>Ilyobacter polytropus</i>
1479	<i>Inquilinus limosus</i>
1480	<i>Intrasporangiaceae bacterium</i>
1481	<i>Intrasporangium calvum</i>
1482	<i>Isoptericola variabilis</i>
1483	<i>Isosphaera pallida</i>
1484	<i>Ixodes scapularis</i>
1485	<i>Jaculus jaculus</i>
1486	<i>Janibacter</i> sp.
1487	<i>Janthinobacterium lividum</i>
1488	<i>Janthinobacterium</i> sp.
1489	<i>Jeotgalicoccus psychrophilus</i>
1490	<i>Jiangella gansuensis</i>
1491	<i>Johnsonella ignava</i>
1492	<i>Jonesia denitrificans</i>
1493	<i>Jonesia quinghaiensis</i>
1494	<i>Jonquetella anthropi</i>
1495	<i>Joostella marina</i>
1496	<i>Kaistia adipata</i>
1497	<i>Kaistia granuli</i>
1498	<i>Kamptonema formosum</i>
1499	<i>Kandleria vitulina</i>
1500	<i>Kangiella aquimarina</i>
1501	<i>Kangiella koreensis</i>
1502	<i>Ketogulonigenium vulgare</i>

1503	<i>Kiloniella laminariae</i>
1504	<i>Kineococcus radiotolerans</i>
1505	<i>Kingella kingae</i>
1506	<i>Kingella oralis</i>
1507	<i>Kingella potus</i>
1508	<i>Kitasatospora setae</i>
1509	<i>Kitasatospora</i> sp.
1510	<i>Klebsiella oxytoca</i>
1511	<i>Klebsiella pneumoniae</i>
1512	<i>Klebsiella</i> sp.
1513	<i>Klebsiella variicola</i>
1514	<i>Kocuria atrinae</i>
1515	<i>Kocuria rhizophila</i>
1516	<i>Kocuria</i> sp.
1517	<i>Kordia algicida</i>
1518	<i>Kordiimonas gwangyangensis</i>
1519	<i>Kozakia baliensis</i>
1520	<i>Kribbella catacumbae</i>
1521	<i>Kribbella flavida</i>
1522	<i>Krokinobacter</i> sp.
1523	<i>Kurthia huakuii</i>
1524	<i>Kurthia</i> sp.
1525	<i>Kushneria aurantia</i>
1526	<i>Kutzneria albida</i>
1527	<i>Kyrpidia tusciae</i>
1528	<i>Kytococcus sedentarius</i>
1529	<i>Labrenzia alexandrii</i>
1530	<i>Labrenzia</i> sp.
1531	<i>Laccaria bicolor</i>
1532	<i>Laceyella sacchari</i>
1533	<i>Lachnoanaerobaculum orale</i>
1534	<i>Lachnobacterium bovis</i>
1535	<i>Lachnoclostridium phytofermentans</i>
1536	<i>Lachnospira multipara</i>
1537	<i>Lachnospiraceae bacterium</i>
1538	<i>Lachnospiraceae oral</i>
1539	<i>Lacinutrix</i> sp.
1540	<i>Lacticigenium naphtae</i>
1541	<i>Lactobacillus acidipiscis</i>
1542	<i>Lactobacillus acidophilus</i>
1543	<i>Lactobacillus amylovorus</i>
1544	<i>Lactobacillus antri</i>
1545	<i>Lactobacillus brevis</i>
1546	<i>Lactobacillus buchneri</i>
1547	<i>Lactobacillus casei</i>
1548	<i>Lactobacillus ceti</i>
1549	<i>Lactobacillus coleohominis</i>
1550	<i>Lactobacillus coryniformis</i>
1551	<i>Lactobacillus crispatus</i>
1552	<i>Lactobacillus delbrueckii</i>
1553	<i>Lactobacillus equi</i>
1554	<i>Lactobacillus fabifermentans</i>
1555	<i>Lactobacillus fuchuensis</i>
1556	<i>Lactobacillus gallinarum</i>
1557	<i>Lactobacillus gasserii</i>
1558	<i>Lactobacillus hamsteri</i>
1559	<i>Lactobacillus hayakitensis</i>
1560	<i>Lactobacillus helveticus</i>

1561	<i>Lactobacillus iners</i>
1562	<i>Lactobacillus jensenii</i>
1563	<i>Lactobacillus johnsonii</i>
1564	<i>Lactobacillus kitasatonis</i>
1565	<i>Lactobacillus malefermentans</i>
1566	<i>Lactobacillus mali</i>
1567	<i>Lactobacillus murinus</i>
1568	<i>Lactobacillus namurensis</i>
1569	<i>Lactobacillus paralimentarius</i>
1570	<i>Lactobacillus perolens</i>
1571	<i>Lactobacillus phage</i>
1572	<i>Lactobacillus plantarum</i>
1573	<i>Lactobacillus reuteri</i>
1574	<i>Lactobacillus rhamnosus</i>
1575	<i>Lactobacillus ruminis</i>
1576	<i>Lactobacillus sanfranciscensis</i>
1577	<i>Lactobacillus shenzhenensis</i>
1578	<i>Lactobacillus</i> sp.
1579	<i>Lactobacillus suebicus</i>
1580	<i>Lactobacillus ultunensis</i>
1581	<i>Lactobacillus vaginalis</i>
1582	<i>Lactobacillus vini</i>
1583	<i>Lactococcus garvieae</i>
1584	<i>Lactococcus lactis</i>
1585	<i>Lamprocystis purpurea</i>
1586	<i>Laribacter hongkongensis</i>
1587	<i>Latimeria chalumnae</i>
1588	<i>Lawsonia intracellularis</i>
1589	<i>Leadbetterella byssofila</i>
1590	<i>Lebetimonas</i> sp.
1591	<i>Lechevalieria aerocolonigenes</i>
1592	<i>Leeia oryzae</i>
1593	<i>Leeuwenhoekiella blandensis</i>
1594	<i>Leeuwenhoekiella</i> sp.
1595	<i>Legionella drancourtii</i>
1596	<i>Legionella lansingensis</i>
1597	<i>Legionella longbeachae</i>
1598	<i>Legionella moravica</i>
1599	<i>Legionella pneumophila</i>
1600	<i>Legionella sainthelensi</i>
1601	<i>Legionella shakespearei</i>
1602	<i>Legionella tunisiensis</i>
1603	<i>Legionella wadsworthii</i>
1604	<i>Leifsonia aquatica</i>
1605	<i>Leifsonia</i> sp.
1606	<i>Leifsonia xyli</i>
1607	<i>Leishmania major</i>
1608	<i>Leisingera methylohalidivorans</i>
1609	<i>Leisingera nanhaiensis</i>
1610	<i>Leminorella grimontii</i>
1611	<i>Lentzea albidocapillata</i>
1612	<i>Lepisosteus oculatus</i>
1613	<i>Leptolyngbya boryana</i>
1614	<i>Leptolyngbya</i> sp.
1615	<i>Leptonema illini</i>
1616	<i>Leptonychotes weddellii</i>
1617	<i>Leptospira biflexa</i>
1618	<i>Leptospira borgpetersenii</i>

1619	<i>Leptospira interrogans</i>
1620	<i>Leptospira kirschneri</i>
1621	<i>Leptospira licerasiae</i>
1622	<i>Leptospira weilii</i>
1623	<i>Leptothrix cholodnii</i>
1624	<i>Leucobacter chironomi</i>
1625	<i>Leucobacter chromiirestans</i>
1626	<i>Leucobacter salsicius</i>
1627	<i>Leucobacter</i> sp.
1628	<i>Leuconostoc citreum</i>
1629	<i>Leuconostoc inhae</i>
1630	<i>Leuconostoc lactis</i>
1631	<i>Leuconostoc pseudomesenteroides</i>
1632	<i>Leucothrix mucor</i>
1633	<i>Lewinella cohaerens</i>
1634	<i>Lewinella persica</i>
1635	<i>Limnohabitans</i> sp.
1636	<i>Lipotes vexillifer</i>
1637	<i>Listeria grayi</i>
1638	<i>Listeria innocua</i>
1639	<i>Listeria ivanovii</i>
1640	<i>Listeria monocytogenes</i>
1641	<i>Listeria seeligeri</i>
1642	<i>Listeria welshimeri</i>
1643	<i>Listonella anguillarum</i>
1644	<i>Loa loa</i>
1645	<i>Loktanella vestfoldensis</i>
1646	<i>Longispora albida</i>
1647	<i>Lonsdalea quercina</i>
1648	<i>Lottia gigantea</i>
1649	<i>Loxodonta africana</i>
1650	<i>Luteimonas huabeiensis</i>
1651	<i>Luteimonas mephitis</i>
1652	<i>Luteimonas</i> sp.
1653	<i>Lutispora thermophila</i>
1654	<i>Lysinibacillus boronitolerans</i>
1655	<i>Lysinibacillus fusiformis</i>
1656	<i>Lysinibacillus sphaericus</i>
1657	<i>Lysobacter antibioticus</i>
1658	<i>Lysobacter defluvii</i>
1659	<i>Macaca fascicularis</i>
1660	<i>Macaca mulatta</i>
1661	<i>Macrocooccus caseolyticus</i>
1662	<i>Magnaporthe oryzae</i>
1663	<i>Magnetococcus marinus</i>
1664	<i>Magnetospirillum gryphiswaldense</i>
1665	<i>Magnetospirillum magneticum</i>
1666	<i>Mahella australiensis</i>
1667	<i>Malus</i> x
1668	<i>Manacus vitellinus</i>
1669	<i>Mannheimia granulomatis</i>
1670	<i>Mannheimia haemolytica</i>
1671	<i>Mannheimia succiniciproducens</i>
1672	<i>Marchantia polymorpha</i>
1673	<i>Maribacter antarcticus</i>
1674	<i>Maribacter</i> sp.
1675	<i>Maricaulis maris</i>
1676	<i>Maricaulis</i> sp.

1677	marine actinobacterium
1678	marine gamma
1679	<i>Marinilabilia salmonicolor</i>
1680	<i>Marinimicrobia bacterium</i>
1681	<i>Marinimicrobium agarilyticum</i>
1682	<i>Marinimicrobium</i> sp.
1683	<i>Marinitoga piezophila</i>
1684	<i>Marinobacter daepoensis</i>
1685	<i>Marinobacter lipolyticus</i>
1686	<i>Marinobacter nanhaiticus</i>
1687	<i>Marinobacter</i> sp.
1688	<i>Marinobacterium jannaschii</i>
1689	<i>Marinobacterium litorale</i>
1690	<i>Marinobacterium rhizophilum</i>
1691	<i>Marinobacterium stanieri</i>
1692	<i>Marinomonas mediterranea</i>
1693	<i>Marinomonas posidonica</i>
1694	<i>Marinomonas</i> sp.
1695	<i>Marinospirillum insulare</i>
1696	<i>Marinospirillum minutulum</i>
1697	<i>Mariprofundus ferrooxydans</i>
1698	<i>Maritalea myrionectae</i>
1699	<i>Marivirga tractuosa</i>
1700	<i>Marmoricola aequoreus</i>
1701	<i>Marmoricola</i> sp.
1702	<i>Marssonina brunnea</i>
1703	<i>Martelella mediterranea</i>
1704	<i>Martelella</i> sp.
1705	<i>Massilia alkalitolerans</i>
1706	<i>Massilia niastensis</i>
1707	<i>Massilia timonae</i>
1708	<i>Mastigocladopsis repens</i>
1709	<i>Mastigocoleus testarum</i>
1710	<i>Maylandia zebra</i>
1711	<i>Medicago truncatula</i>
1712	<i>Megachile rotundata</i>
1713	<i>Megamonas funiformis</i>
1714	<i>Megamonas hypermegale</i>
1715	<i>Meganema perideroedes</i>
1716	<i>Megasphaera elsdenii</i>
1717	<i>Megavirus terra1</i>
1718	<i>Meiothermus cerbereus</i>
1719	<i>Meiothermus chliarophilus</i>
1720	<i>Meiothermus ruber</i>
1721	<i>Meiothermus silvanus</i>
1722	<i>Meiothermus timidus</i>
1723	<i>Meleagris gallopavo</i>
1724	<i>Melioribacter roseus</i>
1725	<i>Melitea salexigens</i>
1726	<i>Melopsittacus undulatus</i>
1727	<i>Merops nubicus</i>
1728	<i>Mesocricetus auratus</i>
1729	<i>Mesoflavibacter zeaxanthinifaciens</i>
1730	<i>Mesonia mobilis</i>
1731	<i>Mesoplasma chauliocola</i>
1732	<i>Mesoplasma florum</i>
1733	<i>Mesoplasma grammopterae</i>
1734	<i>Mesoplasma photuris</i>

1735	<i>Mesoplasma seiffertii</i>
1736	<i>Mesorhizobium ciceri</i>
1737	<i>Mesorhizobium loti</i>
1738	<i>Mesorhizobium sp.</i>
1739	<i>Metarhizium anisopliae</i>
1740	<i>Metascardovia criceti</i>
1741	<i>Metaseiulus occidentalis</i>
1742	<i>Methanobrevibacter ruminantium</i>
1743	<i>Methanobrevibacter smithii</i>
1744	<i>Methanocaldococcus jannaschii</i>
1745	<i>Methanocaldococcus villosus</i>
1746	<i>Methanocella arvoryzae</i>
1747	<i>Methanococcus maripaludis</i>
1748	<i>Methanococcus voltae</i>
1749	<i>Methanoculleus marisnigri</i>
1750	<i>Methanohalobium evestigatum</i>
1751	<i>Methanohalophilus mahii</i>
1752	<i>Methanobolus psychrophilus</i>
1753	<i>Methanomassiliococcus sp.</i>
1754	<i>Methanomethylovorans hollandica</i>
1755	<i>Methanopyrus kandleri</i>
1756	<i>Methanoregula formicicum</i>
1757	<i>Methanosaeta harundinacea</i>
1758	<i>Methanosalsum zhilinae</i>
1759	<i>Methanotorris igneus</i>
1760	<i>Methylbium petroleiphilum</i>
1761	<i>Methylobacillus flagellatus</i>
1762	<i>Methylobacillus glycogenes</i>
1763	<i>Methylobacter luteus</i>
1764	<i>Methylobacter marinus</i>
1765	<i>Methylobacter tundripaludum</i>
1766	<i>Methylobacterium extorquens</i>
1767	<i>Methylobacterium nodulans</i>
1768	<i>Methylobacterium populi</i>
1769	<i>Methylobacterium sp.</i>
1770	<i>Methylodaldum szegediense</i>
1771	<i>Methylococcus capsulatus</i>
1772	<i>Methylocystis parvus</i>
1773	<i>Methyloferula stellata</i>
1774	<i>Methylohalobius crimeensis</i>
1775	<i>Methylomarinum vadi</i>
1776	<i>Methylomicrobium agile</i>
1777	<i>Methylomicrobium album</i>
1778	<i>Methylomicrobium alcaliphilum</i>
1779	<i>Methylomicrobium buryatense</i>
1780	<i>Methylomonas methanica</i>
1781	<i>Methylomonas sp.</i>
1782	<i>Methylophaga sp.</i>
1783	<i>Methylophaga thiooxidans</i>
1784	<i>Methylophilaceae bacterium</i>
1785	<i>Methylophilus methylotrophus</i>
1786	<i>Methylophilus sp.</i>
1787	<i>Methylopila sp.</i>
1788	<i>Methylosarcina fibrata</i>
1789	<i>Methylosarcina lacus</i>
1790	<i>Methylosinus sp.</i>
1791	<i>Methylotenera mobilis</i>
1792	<i>Methylotenera sp.</i>

1793	<i>Methylotenera versatilis</i>
1794	<i>Methyloversatilis sp.</i>
1795	<i>Methyloversatilis universalis</i>
1796	<i>Methylovorus glucosetrophus</i>
1797	<i>Methylovorus sp.</i>
1798	<i>Methylovulum miyakonense</i>
1799	<i>Micavibrio aeruginosavorus</i>
1800	<i>Microbacterium barkeri</i>
1801	<i>Microbacterium gubbeenense</i>
1802	<i>Microbacterium indicum</i>
1803	<i>Microbacterium luticocti</i>
1804	<i>Microbacterium maritypicum</i>
1805	<i>Microbacterium paraoxydans</i>
1806	<i>Microbacterium sp.</i>
1807	<i>Microbacterium testaceum</i>
1808	<i>Microbacterium yannicii</i>
1809	<i>Microbispora rosea</i>
1810	<i>Microbispora sp.</i>
1811	<i>Microbulbifer agarilyticus</i>
1812	<i>Microbulbifer variabilis</i>
1813	<i>Microcebus murinus</i>
1814	<i>Micrococcus luteus</i>
1815	<i>Microcoleus chthonoplastes</i>
1816	<i>Microcoleus sp.</i>
1817	<i>Microcystis aeruginosa</i>
1818	<i>Microlunatus phosphovorius</i>
1819	<i>Micromonas pusilla</i>
1820	<i>Micromonas sp.</i>
1821	<i>Micromonospora chokoriensis</i>
1822	<i>Micromonospora globosa</i>
1823	<i>Micromonospora lupini</i>
1824	<i>Micromonospora parva</i>
1825	<i>Micromonospora purpureochromogenes</i>
1826	<i>Micromonospora sp.</i>
1827	<i>Microplitis demolitor</i>
1828	<i>Microtetraspora glauca</i>
1829	<i>Microtus ochrogaster</i>
1830	<i>Microvirga sp.</i>
1831	<i>Microvirgula aerodenitrificans</i>
1832	<i>Millerozyma farinosa</i>
1833	<i>Mimivirus terra2</i>
1834	<i>Mitsuokella multacida</i>
1835	<i>Mitsuokella sp.</i>
1836	<i>Mobiluncus curtisii</i>
1837	<i>Mobiluncus mulieris</i>
1838	<i>Modestobacter marinus</i> ,
1839	<i>Mogibacterium neglectum</i>
1840	<i>Mogibacterium vescum</i>
1841	<i>Moniliophthora pernicioosa</i>
1842	<i>Monodelphis domestica</i>
1843	<i>Moorella thermoacetica</i>
1844	<i>Moraxella boevrei</i>
1845	<i>Moraxella caprae</i>
1846	<i>Moraxella catarrhalis</i>
1847	<i>Morganella morgani</i>
1848	<i>Moritella dasanensis</i>
1849	<i>Moritella marina</i>
1850	<i>Mucilaginibacter paludis</i>

1851	<i>Mucispirillum schaedleri</i>
1852	<i>Muricauda ruestringensis</i>
1853	<i>Mus musculus</i>
1854	<i>Musca domestica</i>
1855	<i>Mustela putorius</i>
1856	<i>Mycetocola saprophilus</i>
1857	<i>Mycobacterium abscessus</i>
1858	<i>Mycobacterium avium</i>
1859	<i>Mycobacterium canettii</i>
1860	<i>Mycobacterium chubuense</i>
1861	<i>Mycobacterium fortuitum</i>
1862	<i>Mycobacterium genavense</i>
1863	<i>Mycobacterium gilvum</i>
1864	<i>Mycobacterium hassiacum</i>
1865	<i>Mycobacterium iranicum</i>
1866	<i>Mycobacterium kansasii</i>
1867	<i>Mycobacterium marinum</i>
1868	<i>Mycobacterium neoaurum</i>
1869	<i>Mycobacterium parascrofulaceum</i>
1870	<i>Mycobacterium rhodesiae</i>
1871	<i>Mycobacterium smegmatis</i>
1872	<i>Mycobacterium sp.</i>
1873	<i>Mycobacterium tusciae</i>
1874	<i>Mycobacterium ulcerans</i>
1875	<i>Mycobacterium vaccae</i>
1876	<i>Mycobacterium vanbaalenii</i>
1877	<i>Mycobacterium yongonense</i>
1878	<i>Mycoplasma bovis</i>
1879	<i>Mycoplasma capricolum</i>
1880	<i>Mycoplasma columbinum</i>
1881	<i>Mycoplasma conjunctivae</i>
1882	<i>Mycoplasma cricetuli</i>
1883	<i>Mycoplasma cynos</i>
1884	<i>Mycoplasma elephantis</i>
1885	<i>Mycoplasma fermentans</i>
1886	<i>Mycoplasma glycyphilum</i>
1887	<i>Mycoplasma hominis</i>
1888	<i>Mycoplasma hyopneumoniae</i>
1889	<i>Mycoplasma hyorhinitis</i>
1890	<i>Mycoplasma leachii</i>
1891	<i>Mycoplasma leonicaptivi</i>
1892	<i>Mycoplasma lipofaciens</i>
1893	<i>Mycoplasma moatsii</i>
1894	<i>Mycoplasma molare</i>
1895	<i>Mycoplasma mycoides</i>
1896	<i>Mycoplasma orale</i>
1897	<i>Mycoplasma ovipneumoniae</i>
1898	<i>Mycoplasma penetrans</i>
1899	<i>Mycoplasma primatum</i>
1900	<i>Mycoplasma pulmonis</i>
1901	<i>Mycoplasma putrefaciens</i>
1902	<i>Mycoplasma salivarium</i>
1903	<i>Mycoplasma sp.</i>
1904	<i>Mycoplasma synoviae</i>
1905	<i>Mycoplasma wenyonii</i>
1906	<i>Mycosphaerella graminicola</i>
1907	<i>Myotis brandtii</i>
1908	<i>Myotis davidii</i>

1909	<i>Myotis lucifugus</i>
1910	<i>Myroides injenensis</i>
1911	<i>Myroides odoratimimus</i>
1912	<i>Myroides odoratus</i>
1913	<i>Myxococcus fulvus</i>
1914	<i>Myxococcus stipitatus</i>
1915	<i>Myxococcus xanthus</i>
1916	<i>Naegleria gruberi</i>
1917	<i>Nafulsella turpanensis</i>
1918	<i>Nakamurella lactea</i>
1919	<i>Nakamurella multipartita</i>
1920	<i>Nannochloropsis gaditana</i>
1921	<i>Nannospalax galili</i>
1922	<i>Nanoarchaeota archaeon</i>
1923	<i>Nasonia vitripennis</i>
1924	<i>Natranaerobius thermophilus</i>
1925	<i>Natrinema pellirubrum</i>
1926	<i>Natrinema sp.</i>
1927	<i>Natronobacterium gregoryi</i>
1928	<i>Natronomonas pharaonis</i>
1929	<i>Naumovozyma dairenensis</i>
1930	<i>Nautilia profundicola</i>
1931	<i>Neisseria bacilliformis</i>
1932	<i>Neisseria lactamica</i>
1933	<i>Neisseria macacae</i>
1934	<i>Neisseria perflava</i>
1935	<i>Neisseria shayeganii</i>
1936	<i>Neisseria sp.</i>
1937	<i>Neisseria wadsworthii</i>
1938	<i>Nematostella vectensis</i>
1939	<i>Neolamprologus brichardi</i>
1940	<i>Neosartorya fischeri</i>
1941	<i>Neospora caninum</i>
1942	<i>Neptunomonas japonica</i>
1943	<i>Nesterenkonia alba</i>
1944	<i>Nesterenkonia sp.</i>
1945	<i>Neurospora crassa</i>
1946	<i>Nevskia ramosa</i>
1947	<i>Nevskia soli</i>
1948	<i>Niabella aurantiaca</i>
1949	<i>Niastella koreensis</i>
1950	<i>Nitratifactor salsuginis</i>
1951	<i>Nitratireductor aquibiodomus</i>
1952	<i>Nitratiruptor sp.</i>
1953	<i>Nitrobacter sp.</i>
1954	<i>Nitrococcus mobilis</i>
1955	<i>Nitrosococcus halophilus</i>
1956	<i>Nitrosococcus oceani</i>
1957	<i>Nitrosomonas cryotolerans</i>
1958	<i>Nitrosomonas europaea</i>
1959	<i>Nitrosomonas eutropha</i>
1960	<i>Nitrosomonas sp.</i>
1961	<i>Nitrosospira briensis</i>
1962	<i>Nitrosospira multiformis</i>
1963	<i>Nitrospirillum amazonense</i>
1964	<i>Nocardia brasiliensis</i>
1965	<i>Nocardia cyriacigeorgica</i>
1966	<i>Nocardia farcinica</i>

1967	<i>Nocardia otitidiscaviarum</i>
1968	<i>Nocardia rhamnosiphila</i>
1969	<i>Nocardia</i> sp.
1970	Nocardioidaceae bacterium
1971	<i>Nocardioides alkalitolerans</i>
1972	<i>Nocardioides halotolerans</i>
1973	<i>Nocardioides insulae</i>
1974	<i>Nocardioides</i> sp.
1975	<i>Nocardiopsis alba</i>
1976	<i>Nocardiopsis chromatogenes</i>
1977	<i>Nocardiopsis dassonvillei</i>
1978	<i>Nocardiopsis ganjiahuensis</i>
1979	<i>Nocardiopsis gilva</i>
1980	<i>Nocardiopsis halophila</i>
1981	<i>Nocardiopsis halotolerans</i>
1982	<i>Nocardiopsis kunsanensis</i>
1983	<i>Nocardiopsis lucentensis</i>
1984	<i>Nocardiopsis potens</i>
1985	<i>Nocardiopsis prasina</i>
1986	<i>Nocardiopsis salina</i>
1987	<i>Nocardiopsis</i> sp.
1988	<i>Nocardiopsis synnemataformans</i>
1989	<i>Nocardiopsis valliformis</i>
1990	<i>Nocardiopsis xinjiangensis</i>
1991	<i>Nodosilinea nodulosa</i>
1992	<i>Nomascus leucogenys</i>
1993	<i>Nonlabens dokdonensis</i>
1994	<i>Nonomuraea coxensis</i>
1995	<i>Nostoc</i> sp.
1996	<i>Novispirillum itersonii</i>
1997	<i>Novosphingobium lindaniclasticum</i>
1998	<i>Novosphingobium nitrogenifigens</i>
1999	<i>Novosphingobium</i> sp.
2000	<i>Oceanicaulis alexandrii</i>
2001	<i>Oceanicola batsensis</i>
2002	<i>Oceanicola granulosis</i>
2003	<i>Oceanicola</i> sp.
2004	<i>Oceanimonas smirnovii</i>
2005	<i>Oceanimonas</i> sp.
2006	<i>Oceanithermus profundus</i>
2007	<i>Oceanobacillus iheyensis</i>
2008	<i>Oceanobacter</i> sp.
2009	<i>Oceanospirillales</i> bacterium
2010	<i>Oceanospirillum maris</i>
2011	<i>Oceanospirillum</i> sp.
2012	<i>Ochotona princeps</i>
2013	<i>Ochrobactrum anthropi</i>
2014	<i>Ochrobactrum intermedium</i>
2015	<i>Ochrobactrum rhizosphaerae</i>
2016	<i>Ochrobactrum</i> sp.
2017	<i>Octadecabacter antarcticus</i>
2018	<i>Octadecabacter arcticus</i>
2019	<i>Octodon degus</i>
2020	<i>Odobenus rosmarus</i>
2021	<i>Odoribacter laneus</i>
2022	<i>Odoribacter</i> sp.
2023	<i>Odoribacter splanchnicus</i>
2024	<i>Oenococcus oeni</i>

2025	<i>Oerskovia turbata</i>
2026	<i>Oligella ureolytica</i>
2027	<i>Olivibacter sitiensis</i>
2028	<i>Olleya marilimosa</i>
2029	<i>Olleya</i> sp.
2030	<i>Olsenella</i> sp.
2031	<i>Olsenella uli</i>
2032	<i>Omnitrophica</i> bacterium
2033	<i>Opisthorchis viverrini</i>
2034	Opitutaceae bacterium
2035	<i>Opitutus terrae</i>
2036	<i>Orcinus orca</i>
2037	<i>Orenia marismortui</i>
2038	<i>Oreochromis niloticus</i>
2039	<i>Oribacterium</i> sp.
2040	<i>Orientia tsutsugamushi</i>
2041	<i>Ornithinimicrobium pekingense</i>
2042	<i>Ornithobacterium rhinotracheale</i>
2043	<i>Ornithorhynchus anatinus</i>
2044	<i>Orycteropus afer</i>
2045	<i>Oryctolagus cuniculus</i>
2046	<i>Oryza brachyantha</i>
2047	<i>Oryza sativa</i>
2048	<i>Oryzias latipes</i>
2049	<i>Oscillatoria acuminata</i>
2050	<i>Oscillatoria</i> sp.
2051	Oscillatoriales cyanobacterium
2052	<i>Oscillibacter</i> sp.
2053	<i>Oscillibacter valericigenes</i>
2054	<i>Oscillochloris trichoides</i>
2055	<i>Ostreococcus tauri</i>
2056	<i>Otolemur garnettii</i>
2057	<i>Ottowia thiooxydans</i>
2058	<i>Ovis aries</i>
2059	<i>Owenweeksia hongkongensis</i>
2060	<i>Oxalobacter formigenes</i>
2061	Oxalobacteraceae bacterium
2062	<i>Paenibacillus alginolyticus</i>
2063	<i>Paenibacillus assamensis</i>
2064	<i>Paenibacillus azotofixans</i>
2065	<i>Paenibacillus barengoltzii</i>
2066	<i>Paenibacillus daejeonensis</i>
2067	<i>Paenibacillus ehimensis</i>
2068	<i>Paenibacillus elgii</i>
2069	<i>Paenibacillus forsythiae</i>
2070	<i>Paenibacillus ginsengihumi</i>
2071	<i>Paenibacillus graminis</i>
2072	<i>Paenibacillus harenae</i>
2073	<i>Paenibacillus larvae</i>
2074	<i>Paenibacillus massiliensis</i>
2075	<i>Paenibacillus mucilaginosus</i>
2076	<i>Paenibacillus pasadenensis</i>
2077	<i>Paenibacillus peoriae</i>
2078	<i>Paenibacillus polymyxa</i>
2079	<i>Paenibacillus</i> sp.
2080	<i>Paenibacillus taiwanensis</i>
2081	<i>Paenibacillus terrae</i>
2082	<i>Paenibacillus zanthoxyli</i>

2083	<i>Paenisporosarcina</i> sp.
2084	<i>Paludibacter propionigenes</i>
2085	<i>Paludibacterium yongneupense</i>
2086	<i>Pan paniscus</i>
2087	<i>Pan troglodytes</i>
2088	<i>Pandoraea pnomenus</i>
2089	<i>Pandoraea</i> sp.
2090	<i>Pannonibacter phragmitetus</i>
2091	<i>Panthera tigris</i>
2092	<i>Pantholops hodgsonii</i>
2093	<i>Pantoea agglomerans</i>
2094	<i>Pantoea ananatis</i>
2095	<i>Pantoea dispersa</i>
2096	<i>Pantoea</i> sp.
2097	<i>Pantoea vagans</i>
2098	<i>Papio anubis</i>
2099	<i>Parabacteroides chartae</i>
2100	<i>Parabacteroides distasonis</i>
2101	<i>Parabacteroides goldsteinii</i>
2102	<i>Parabacteroides gordonii</i>
2103	<i>Parabacteroides johnsonii</i>
2104	<i>Parabacteroides</i> sp.
2105	<i>Parachlamydia acanthamoebae</i>
2106	<i>Paracoccidioides brasiliensis</i>
2107	<i>Paracoccus aminophilus</i>
2108	<i>Paracoccus denitrificans</i>
2109	<i>Paracoccus pantotrophus</i>
2110	<i>Paracoccus</i> sp.
2111	<i>Paracoccus yeei</i>
2112	<i>Paramecium tetraurelia</i>
2113	<i>Paraoerskovia marina</i>
2114	<i>Paraprevotella clara</i>
2115	<i>Paraprevotella xylaniphila</i>
2116	<i>Parasutterella excrementihominis</i>
2117	<i>Parcubacteria bacterium</i>
2118	<i>Parvibaculum lavamentivorans</i>
2119	<i>Parvimonas micra</i>
2120	<i>Parvularcula bermudensis</i>
2121	<i>Parvularcula oceani</i>
2122	<i>Pasteurella dagmatis</i>
2123	<i>Pasteurella multocida</i>
2124	<i>Pasteurella pneumotropica</i>
2125	<i>Patulibacter americanus</i>
2126	<i>Patulibacter minatonensis</i>
2127	<i>Paucisalibacillus globulus</i>
2128	<i>Pectobacterium carotovorum</i>
2129	<i>Pectobacterium</i> sp.
2130	<i>Pediculus humanus</i>
2131	<i>Pediococcus acidilactici</i>
2132	<i>Pediococcus pentosaceus</i>
2133	<i>Pedobacter agri</i>
2134	<i>Pedobacter arcticus</i>
2135	<i>Pedobacter borealis</i>
2136	<i>Pedobacter glucosidilyticus</i>
2137	<i>Pedobacter heparinus</i>
2138	<i>Pedobacter oryzae</i>
2139	<i>Pedobacter saltans</i>
2140	<i>Pelagibaca bermudensis</i>

2141	<i>Pelagibacterium halotolerans</i>
2142	<i>Pelistega</i> sp.
2143	<i>Pelobacter carbinolicus</i>
2144	<i>Pelobacter seleniigenes</i>
2145	<i>Pelodiscus sinensis</i>
2146	<i>Pelosinus</i> sp.
2147	<i>Penicillium marneffeii</i>
2148	<i>Peptoclostridium difficile</i>
2149	<i>Peptococcus niger</i>
2150	<i>Peptostreptococcaceae</i> bacterium
2151	<i>Peptostreptococcus anaerobius</i>
2152	<i>Perlucidibaca piscinae</i>
2153	<i>Peromyscus maniculatus</i>
2154	<i>Persephonella marina</i>
2155	<i>Persephonella</i> sp.
2156	<i>Phaeobacter arcticus</i>
2157	<i>Phaeobacter caeruleus</i>
2158	<i>Phaeobacter gallaeciensis</i>
2159	<i>Phanerochaete carnos</i>
2160	<i>Phascolarctobacterium</i> sp.
2161	<i>Phascolarctobacterium succinatutens</i>
2162	<i>Phaseolus vulgaris</i>
2163	<i>Phenylbacterium zucineum</i>
2164	<i>Phoenix dactylifera</i>
2165	<i>Photobacterium leiognathi</i>
2166	<i>Photobacterium profundum</i>
2167	<i>Photorhabdus asymbiotica</i> ,
2168	<i>Photorhabdus luminescens</i>
2169	<i>Photorhabdus temperata</i>
2170	<i>Phycoccus jejuensis</i>
2171	<i>Phycisphaera mikurensis</i>
2172	<i>Physcomitrella patens</i>
2173	<i>Physeter catodon</i>
2174	<i>Phytophthora infestans</i>
2175	<i>Phytophthora parasitica</i>
2176	<i>Pilimelia anulata</i>
2177	<i>Planctomyces limnophilus</i>
2178	<i>Planktothrix prolifica</i>
2179	<i>Plasmodium berghei</i>
2180	<i>Plasmodium chabaudi</i>
2181	<i>Plasmodium cynomolgi</i>
2182	<i>Plasmodium falciparum</i>
2183	<i>Plasmodium knowlesi</i>
2184	<i>Plasmodium vivax</i>
2185	<i>Plasmodium yoelii</i>
2186	<i>Platanus occidentalis</i>
2187	<i>Plautia stali</i>
2188	<i>Pleomorphomonas koreensis</i>
2189	<i>Pleomorphomonas oryzae</i>
2190	<i>Plesiomonas shigelloides</i>
2191	<i>Pleurocapsa</i> sp.
2192	<i>Poecilia formosa</i>
2193	<i>Poecilia reticulata</i>
2194	<i>Polaribacter irgensii</i>
2195	<i>Polaribacter</i> sp.
2196	<i>Polaromonas glacialis</i>
2197	<i>Polaromonas naphthalenivorans</i>
2198	<i>Polaromonas</i> sp.

2199	<i>Polycyclovorans algicola</i>
2200	<i>Polymorphum gilvum</i>
2201	<i>Polynucleobacter necessarius</i>
2202	<i>Pongo abelii</i>
2203	<i>Pontibacillus halophilus</i>
2204	<i>Pontibacillus marinus</i>
2205	<i>Pontibacter actiniarum</i>
2206	<i>Pontibacter roseus</i>
2207	<i>Ponticaulis koreensis</i>
2208	<i>Populus trichocarpa</i>
2209	<i>Porphyrobacter cryptus</i>
2210	<i>Porphyromonas asaccharolytica</i>
2211	<i>Porphyromonas bennonis</i>
2212	<i>Porphyromonas cangingivalis</i>
2213	<i>Porphyromonas catoniae</i>
2214	<i>Porphyromonas gingivalis</i>
2215	<i>Porphyromonas gingivicanis</i>
2216	<i>Porphyromonas gulae</i>
2217	<i>Porphyromonas levii</i>
2218	<i>Porphyromonas macacae</i>
2219	<i>Porphyromonas somerae</i>
2220	<i>Porphyromonas sp.</i>
2221	<i>Porphyromonas uenonis</i>
2222	<i>Prasinoderma coloniale</i>
2223	<i>Prauserella rugosa</i>
2224	<i>Prevotella albensis</i>
2225	<i>Prevotella amnii</i>
2226	<i>Prevotella aurantiaca</i>
2227	<i>Prevotella baroniae</i>
2228	<i>Prevotella bergensis</i>
2229	<i>Prevotella bivia</i>
2230	<i>Prevotella brevis</i>
2231	<i>Prevotella bryantii</i>
2232	<i>Prevotella buccae</i>
2233	<i>Prevotella corporis</i>
2234	<i>Prevotella dentalis</i>
2235	<i>Prevotella dentasini</i>
2236	<i>Prevotella denticola</i>
2237	<i>Prevotella disiens</i>
2238	<i>Prevotella enoeca</i>
2239	<i>Prevotella falsenii</i>
2240	<i>Prevotella fusca</i>
2241	<i>Prevotella histicola</i>
2242	<i>Prevotella intermedia</i>
2243	<i>Prevotella jejuni</i>
2244	<i>Prevotella loescheii</i>
2245	<i>Prevotella maculosa</i>
2246	<i>Prevotella melaninogenica</i>
2247	<i>Prevotella micans</i>
2248	<i>Prevotella multiformis</i>
2249	<i>Prevotella multisaccharivorax</i>
2250	<i>Prevotella nanceiensis</i>
2251	<i>Prevotella nigrescens</i>
2252	<i>Prevotella oralis</i>
2253	<i>Prevotella oulorum</i>
2254	<i>Prevotella pallens</i>
2255	<i>Prevotella paludivivens</i>
2256	<i>Prevotella pleuritidis</i>

2257	<i>Prevotella ruminicola</i>
2258	<i>Prevotella saccharolytica</i>
2259	<i>Prevotella scopos</i>
2260	<i>Prevotella shahii</i>
2261	<i>Prevotella sp.</i>
2262	<i>Prevotella stercorea</i>
2263	<i>Prevotella timonensis</i>
2264	<i>Procavia capensis</i>
2265	<i>Prochlorococcus marinus</i>
2266	<i>Prochlorococcus sp.</i>
2267	<i>Prolixibacter bellariivorans</i>
2268	<i>Promicromonospora sukumoe</i>
2269	<i>Propionibacteriaceae bacterium</i>
2270	<i>Propionibacterium acidifaciens</i>
2271	<i>Propionibacterium acidipropionici</i>
2272	<i>Propionibacterium avidum</i>
2273	<i>Propionibacterium freudenreichii</i>
2274	<i>Propionibacterium jensenii</i>
2275	<i>Propionibacterium propionicum</i>
2276	<i>Propionibacterium sp.</i>
2277	<i>Propionibacterium thoenii</i>
2278	<i>Propionicicella superfundia</i>
2279	<i>Propionigenium modestum</i>
2280	<i>Propionimicrobium lymphophilum</i>
2281	<i>Propionivibrio pelophilus</i>
2282	<i>Prosthecochloris aestuarii</i>
2283	<i>Proteiniclasticum ruminis</i>
2284	<i>Proteiniphilum acetatigenes</i>
2285	<i>Proteobacteria bacterium</i>
2286	<i>Proteocatella sphenisci</i>
2287	<i>Proteus mirabilis</i>
2288	<i>Proteus penneri</i>
2289	<i>Providencia alcalifaciens</i>
2290	<i>Providencia burhodogranariae</i>
2291	<i>Providencia rettgeri</i>
2292	<i>Providencia rustigianii</i>
2293	<i>Providencia sneebia</i>
2294	<i>Providencia stuartii</i>
2295	<i>Prunus mume</i>
2296	<i>Pseudaminobacter salicylatoxidans</i>
2297	<i>Pseudoalteromonas flavipulchra</i>
2298	<i>Pseudoalteromonas haloplanktis</i>
2299	<i>Pseudoalteromonas sp.</i>
2300	<i>Pseudobutyrvibrio ruminis</i>
2301	<i>Pseudobutyrvibrio sp.</i>
2302	<i>Pseudochrobactrum sp.</i>
2303	<i>Pseudoclavibacter soli</i>
2304	<i>Pseudoduganella violaceinigra</i>
2305	<i>Pseudogulbenkiania ferrooxidans</i>
2306	<i>Pseudogulbenkiania sp.</i>
2307	<i>Pseudomonas aeruginosa</i>
2308	<i>Pseudomonas agarici</i>
2309	<i>Pseudomonas alcaligenes</i>
2310	<i>Pseudomonas azotifigens</i>
2311	<i>Pseudomonas caeni</i>
2312	<i>Pseudomonas chloritidismutans</i>
2313	<i>Pseudomonas chlororaphis</i>
2314	<i>Pseudomonas corrugata</i>

2315	<i>Pseudomonas cremoricolorata</i>
2316	<i>Pseudomonas denitrificans</i>
2317	<i>Pseudomonas entomophila</i>
2318	<i>Pseudomonas flectens</i>
2319	<i>Pseudomonas fluorescens</i>
2320	<i>Pseudomonas fragi</i>
2321	<i>Pseudomonas fulva</i>
2322	<i>Pseudomonas fuscovaginae</i>
2323	<i>Pseudomonas mendocina</i>
2324	<i>Pseudomonas monteilii</i>
2325	<i>Pseudomonas moraviensis</i>
2326	<i>Pseudomonas mosselii</i>
2327	<i>Pseudomonas nitroreducens</i>
2328	<i>Pseudomonas oleovorans</i>
2329	<i>Pseudomonas pelagia</i>
2330	<i>Pseudomonas plecoglossicida</i>
2331	<i>Pseudomonas poae</i>
2332	<i>Pseudomonas protegens</i>
2333	<i>Pseudomonas psychrophila</i>
2334	<i>Pseudomonas putida</i>
2335	<i>Pseudomonas resinovorans</i>
2336	<i>Pseudomonas</i> sp.
2337	<i>Pseudomonas stutzeri</i>
2338	<i>Pseudomonas syringae</i>
2339	<i>Pseudomonas taeanensis</i>
2340	<i>Pseudomonas taiwanensis</i>
2341	<i>Pseudomonas thermotolerans</i>
2342	<i>Pseudomonas veronii</i>
2343	<i>Pseudomonas viridiflava</i>
2344	<i>Pseudomonas vranovensis</i>
2345	<i>Pseudonocardia acaciae</i>
2346	<i>Pseudonocardia asaccharolytica</i>
2347	<i>Pseudonocardia dioxanivorans</i>
2348	<i>Pseudonocardia</i> sp.
2349	<i>Pseudopodoces humilis</i>
2350	<i>Pseudoramibacter alactolyticus</i>
2351	<i>Pseudorhodobacter ferrugineus</i>
2352	<i>Pseudovibrio</i> sp.
2353	<i>Pseudoxanthomonas</i> sp.
2354	<i>Pseudoxanthomonas spadix</i>
2355	<i>Pseudoxanthomonas suwonensis</i>
2356	<i>Pseudozyma flocculosa</i>
2357	<i>Psychrilyobacter atlanticus</i>
2358	<i>Psychrobacter arcticus</i>
2359	<i>Psychrobacter cryohalolentis</i>
2360	<i>Psychrobacter lutiphocae</i>
2361	<i>Psychrobacter phenylpyruvicus</i>
2362	<i>Psychrobacter</i> sp.
2363	<i>Psychroflexus torquis</i>
2364	<i>Psychroflexus tropicus</i>
2365	<i>Psychromonas aquimarina</i>
2366	<i>Psychromonas arctica</i>
2367	<i>Psychromonas hadalis</i>
2368	<i>Psychromonas ingrahamii</i>
2369	<i>Psychromonas</i> sp.
2370	<i>Psychroserpens burtonensis</i>
2371	<i>Pteropus alecto</i>
2372	<i>Pteropus vampyrus</i>

2373	<i>Pundamilia nyererei</i>
2374	<i>Pusillimonas noertemannii</i>
2375	<i>Pusillimonas</i> sp.
2376	<i>Pyrenophora teres</i>
2377	<i>Pyrenophora tritici-repentis</i>
2378	<i>Python bivittatus</i>
2379	<i>Rahnella aquatilis</i>
2380	<i>Ralstonia eutropha</i>
2381	<i>Ralstonia pickettii</i>
2382	<i>Ralstonia solanacearum</i>
2383	<i>Ralstonia</i> sp.
2384	<i>Ramlibacter tataouinensis</i>
2385	<i>Rathayibacter toxicus</i>
2386	<i>Rattus norvegicus</i>
2387	<i>Reinekea</i> sp.
2388	<i>Renibacterium salmoninarum</i>
2389	<i>Rheinheimera baltica</i>
2390	<i>Rheinheimera perlucida</i>
2391	<i>Rheinheimera texasensis</i>
2392	Rhizobiales bacterium
2393	<i>Rhizobium etli</i>
2394	<i>Rhizobium giardinii</i>
2395	<i>Rhizobium leguminosarum</i>
2396	<i>Rhizobium leucaenae</i>
2397	<i>Rhizobium mesoamericanum</i>
2398	<i>Rhizobium mongolense</i>
2399	<i>Rhizobium phaseoli</i>
2400	<i>Rhizobium</i> sp.
2401	<i>Rhizobium sullae</i>
2402	<i>Rhizobium tropici</i>
2403	<i>Rhizobium undicola</i>
2404	<i>Rhodanobacter</i> sp.
2405	<i>Rhodobacter capsulatus</i>
2406	<i>Rhodobacter sphaeroides</i>
2407	Rhodobacteraceae bacterium
2408	Rhodobacterales bacterium
2409	<i>Rhodococcus equi</i>
2410	<i>Rhodococcus erythropolis</i>
2411	<i>Rhodococcus fascians</i>
2412	<i>Rhodococcus jostii</i>
2413	<i>Rhodococcus opacus</i>
2414	<i>Rhodococcus pyridinivorans</i>
2415	<i>Rhodococcus rhodochrous</i>
2416	<i>Rhodococcus ruber</i>
2417	<i>Rhodococcus</i> sp.
2418	<i>Rhodoferax ferrireducens</i>
2419	<i>Rhodoferax saidenbachensis</i>
2420	<i>Rhodonellum psychrophilum</i>
2421	<i>Rhodopirellula baltica</i>
2422	<i>Rhodopseudomonas palustris</i>
2423	<i>Rhodopseudomonas</i> sp.
2424	Rhodospirillales bacterium
2425	<i>Rhodospirillum centenum</i>
2426	<i>Rhodospirillum photometricum</i>
2427	<i>Rhodospirillum rubrum</i>
2428	<i>Rhodothermus marinus</i>
2429	<i>Rhodovibrio salinarum</i>
2430	<i>Ricinus communis</i>

2431	<i>Rickettsia australis</i>
2432	<i>Rickettsia canadensis</i>
2433	<i>Rickettsia montanensis</i>
2434	<i>Rickettsia typhi</i>
2435	Rickettsiaceae bacterium
2436	<i>Riemerella anatipestifer</i>
2437	<i>Riemerella columbina</i>
2438	<i>Rikenella microfus</i>
2439	<i>Rivularia</i> sp.
2440	<i>Robiginitalea biformata</i>
2441	<i>Robinsoniella</i> sp.
2442	<i>Roseburia hominis</i>
2443	<i>Roseburia intestinalis</i>
2444	<i>Roseburia inulinivorans</i>
2445	<i>Roseburia</i> sp.
2446	<i>Roseiflexus castenholzii</i>
2447	<i>Roseiflexus</i> sp.
2448	<i>Roseobacter denitrificans</i>
2449	<i>Roseobacter litoralis</i>
2450	<i>Roseobacter</i> sp.
2451	<i>Roseomonas cervicalis</i>
2452	<i>Roseovarius</i> sp.
2453	<i>Rothia aerea</i>
2454	<i>Ruania albidiflava</i>
2455	<i>Rubellimicrobium thermophilum</i>
2456	<i>Rubritalea marina</i>
2457	<i>Rubritepida flocculans</i>
2458	<i>Rubrivivax benzoatilyticus</i>
2459	<i>Rubrivivax gelatinosus</i>
2460	<i>Rubrobacter xylanophilus</i>
2461	<i>Rudaea cellulositytica</i>
2462	<i>Rudanella lutea</i>
2463	<i>Ruegeria conchae</i>
2464	<i>Ruegeria pomeroyi</i>
2465	<i>Ruegeria</i> sp.
2466	<i>Ruminobacter</i> sp.
2467	Ruminococcaceae bacterium
2468	<i>Ruminococcus albus</i>
2469	<i>Ruminococcus bromii</i>
2470	<i>Ruminococcus callidus</i>
2471	<i>Ruminococcus champanellensis</i>
2472	<i>Ruminococcus flavofaciens</i>
2473	<i>Ruminococcus gauvreauii</i>
2474	<i>Ruminococcus gnavus</i>
2475	<i>Ruminococcus lactaris</i>
2476	<i>Ruminococcus obeum</i>
2477	<i>Ruminococcus</i> sp.
2478	<i>Ruminococcus torques</i>
2479	<i>Runella limosa</i>
2480	<i>Runella slithyformis</i>
2481	<i>Runella zeae</i>
2482	<i>Saccharibacillus kuerlensis</i>
2483	<i>Saccharomonospora azurea</i>
2484	<i>Saccharomonospora cyanea</i>
2485	<i>Saccharomonospora glauca</i>
2486	<i>Saccharomonospora marina</i>
2487	<i>Saccharomonospora paurometabolica</i>
2488	<i>Saccharomonospora viridis</i>

2489	<i>Saccharomonospora xinjiangensis</i>
2490	<i>Saccharomyces cerevisiae</i>
2491	<i>Saccharopolyspora erythraea</i>
2492	<i>Saccharopolyspora rectivirgula</i>
2493	<i>Saccharopolyspora spinosa</i>
2494	<i>Saccharosporillum impatiens</i>
2495	<i>Saccharothrix espanaensis</i>
2496	<i>Saccoglossus kowalevskii</i>
2497	<i>Saimiri boliviensis</i>
2498	<i>Salana multivorans</i>
2499	<i>Salinarimonas rosea</i>
2500	<i>Salinibacter ruber</i>
2501	<i>Salinicoccus carnicancri</i>
2502	<i>Salinimicrobium terrae</i>
2503	<i>Salinimicrobium xinjiangense</i>
2504	<i>Salinimonas chungwhensis</i>
2505	<i>Salinispora arenicola</i>
2506	<i>Salinispora pacifica</i>
2507	<i>Salinivibrio socompensis</i>
2508	<i>Salipiger mucosus</i>
2509	<i>Salisaeta longa</i>
2510	<i>Salmonella enterica</i>
2511	<i>Salpingoeca</i> sp.
2512	<i>Salsuginibacillus kocurii</i>
2513	<i>Sandarakinorhabdus</i> sp.
2514	<i>Sanguibacter keddieii</i>
2515	<i>Saprolegnia diclina</i>
2516	<i>Saprospira grandis</i>
2517	SAR324 cluster
2518	SAR86 cluster
2519	<i>Sarcophilus harrisii</i>
2520	<i>Saxeibacter lacteus</i>
2521	<i>Scardovia inopinata</i>
2522	<i>Scardovia wiggsiae</i>
2523	<i>Schizosaccharomyces pombe</i>
2524	<i>Schwartzia succinivorans</i>
2525	<i>Sciscionella marina</i>
2526	<i>Sciscionella</i> sp.
2527	<i>Scytonema hofmanni</i>
2528	<i>Sebaldella termitidis</i>
2529	<i>Seculamonas ecuadoriensis</i>
2530	<i>Sedimenticola selenatireducens</i>
2531	<i>Sediminibacillus halophilus</i>
2532	<i>Sediminibacter</i> sp.
2533	<i>Sediminibacterium salmoneum</i>
2534	<i>Sediminibacterium</i> sp.
2535	<i>Segetibacter koreensis</i>
2536	<i>Segniliparus rugosus</i>
2537	<i>Selaginella moellendorffii</i>
2538	<i>Selenomonas bovis</i>
2539	<i>Selenomonas diana</i>
2540	<i>Selenomonas infelix</i>
2541	<i>Selenomonas ruminantium</i>
2542	<i>Selenomonas</i> sp.
2543	<i>Serinicoccus marinus</i>
2544	<i>Serinicoccus profundus</i>
2545	<i>Serinus canaria</i>
2546	<i>Serratia fonticola</i>

2547	<i>Serratia liquefaciens</i>
2548	<i>Serratia marcescens</i>
2549	<i>Serratia odorifera</i>
2550	<i>Serratia plymuthica</i>
2551	<i>Serratia proteamaculans</i>
2552	<i>Serratia</i> sp.
2553	<i>Serratia symbiotica</i>
2554	<i>Setaria italica</i>
2555	<i>Shewanella baltica</i>
2556	<i>Shewanella colwelliana</i>
2557	<i>Shewanella denitrificans</i>
2558	<i>Shewanella fidelis</i>
2559	<i>Shewanella frigidimarina</i>
2560	<i>Shewanella loihica</i>
2561	<i>Shewanella marina</i>
2562	<i>Shewanella oneidensis</i>
2563	<i>Shewanella pealeana</i>
2564	<i>Shewanella piezotolerans</i>
2565	<i>Shewanella putrefaciens</i>
2566	<i>Shewanella sediminis</i>
2567	<i>Shewanella</i> sp.
2568	<i>Shigella sonnei</i>
2569	<i>Shimazuella kribbensis</i>
2570	<i>Shinella</i> sp.
2571	<i>Shuttleworthia satelles</i>
2572	<i>Sideroxydans lithotrophicus</i>
2573	<i>Silanimonas lenta</i>
2574	<i>Silicibacter lacuscaerulensis</i>
2575	<i>Simonsiella muelleri</i>
2576	<i>Simplicispira psychrophila</i>
2577	<i>Singularimonas varicoloris</i>
2578	<i>Singulisphaera acidiphila</i>
2579	<i>Sinomonas echigonensis</i>
2580	<i>Sinorhizobium arboris</i>
2581	<i>Sinorhizobium fredii</i>
2582	<i>Sinorhizobium meliloti</i>
2583	<i>Slackia heliotrinireducens</i>
2584	<i>Slackia piriformis</i>
2585	<i>Smaragdicooccus niigatensis</i>
2586	<i>Sneathia sanguinegens</i>
2587	<i>Sneathiella glossodoripedis</i>
2588	<i>Snodgrassella alvi</i>
2589	<i>Sodalis glossinidius</i>
2590	<i>Solanum lycopersicum</i>
2591	<i>Solanum tuberosum</i>
2592	<i>Solibacillus silvestris</i>
2593	<i>Solimonas flava</i>
2594	<i>Solimonas soli</i>
2595	<i>Solirubrobacter soli</i>
2596	<i>Solirubrobacter</i> sp.
2597	<i>Solirubrobacterales bacterium</i>
2598	<i>Solitalea canadensis</i>
2599	<i>Soonwooa buanensis</i>
2600	<i>Sorangium cellulosum</i>
2601	<i>Sordaria macrospora</i>
2602	<i>Sorex araneus</i>
2603	<i>Sorghum bicolor</i>
2604	<i>Spermophilus tridecemlineatus</i>

2605	<i>Sphaerobacter thermophilus</i>
2606	<i>Sphaerochaeta pleomorpha</i>
2607	<i>Sphingobacterium paucimobilis</i>
2608	<i>Sphingobacterium</i> sp.
2609	<i>Sphingobacterium spiritivorum</i>
2610	<i>Sphingobacterium thalpophilum</i>
2611	<i>Sphingobium baderi</i>
2612	<i>Sphingobium chinhatense</i>
2613	<i>Sphingobium chlorophenolicum</i>
2614	<i>Sphingobium japonicum</i>
2615	<i>Sphingobium lactosutens</i>
2616	<i>Sphingobium quisquiliarum</i>
2617	<i>Sphingobium</i> sp.
2618	<i>Sphingobium yanoikuyae</i>
2619	<i>Sphingomonas echinoides</i>
2620	<i>Sphingomonas phyllosphaerae</i>
2621	<i>Sphingomonas</i> sp.
2622	<i>Sphingomonas wittichii</i>
2623	<i>Sphingomonas</i> -like bacterium
2624	<i>Sphingopyxis alaskensis</i>
2625	<i>Spiribacter salinus</i>
2626	<i>Spirillospora albida</i>
2627	<i>Spirochaeta africana</i>
2628	<i>Spirochaeta bajacaliforniensis</i>
2629	<i>Spirochaeta caldaria</i>
2630	<i>Spirochaeta cellobiosiphila</i>
2631	<i>Spirochaeta smaragdinae</i>
2632	<i>Spirochaeta</i> sp.
2633	<i>Spirochaeta thermophila</i>
2634	<i>Spiroplasma apis</i>
2635	<i>Spiroplasma diminutum</i>
2636	<i>Spiroplasma syrphidicola</i>
2637	<i>Spiroplasma taiwanense</i>
2638	<i>Spirosoma linguale</i>
2639	<i>Spirosoma luteum</i>
2640	<i>Spirosoma panaciterrae</i>
2641	<i>Spirosoma spitsbergense</i>
2642	<i>Spongiibacter tropicus</i>
2643	<i>Sporichthya polymorpha</i>
2644	<i>Sporocytophaga myxococcoides</i>
2645	<i>Sporolactobacillus laevolacticus</i>
2646	<i>Sporolactobacillus vineae</i>
2647	<i>Sporomusa ovata</i>
2648	<i>Sporosarcina newyorkensis</i>
2649	<i>Sporosarcina</i> sp.
2650	<i>Stackebrandtia nassauensis</i>
2651	<i>Stanieria cyanosphaera</i>
2652	<i>Staphylococcus aureus</i>
2653	<i>Staphylococcus capitis</i>
2654	<i>Staphylococcus epidermidis</i>
2655	<i>Staphylococcus equorum</i>
2656	<i>Staphylococcus hominis</i>
2657	<i>Staphylococcus intermedius</i>
2658	<i>Staphylococcus lentus</i>
2659	<i>Staphylococcus lugdunensis</i>
2660	<i>Staphylococcus pasteuri</i>
2661	<i>Staphylococcus saprophyticus</i>
2662	<i>Staphylococcus simulans</i>

2663	<i>Staphylococcus</i> sp.
2664	<i>Staphylococcus vitulinus</i>
2665	<i>Staphylococcus warneri</i>
2666	<i>Staphylococcus xylosus</i>
2667	<i>Staphylothermus marinus</i>
2668	<i>Stappia stellulata</i>
2669	<i>Starkeya novella</i>
2670	<i>Stegastes partitus</i>
2671	<i>Stenotrophomonas maltophilia</i>
2672	<i>Stenotrophomonas</i> sp.
2673	<i>Stenoxybacter acetivorans</i>
2674	<i>Stigmatella aurantiaca</i>
2675	<i>Streptacidiphilus jeojiense</i>
2676	<i>Streptobacillus moniliformis</i>
2677	<i>Streptococcus agalactiae</i>
2678	<i>Streptococcus anginosus</i>
2679	<i>Streptococcus caballi</i>
2680	<i>Streptococcus castoreus</i>
2681	<i>Streptococcus constellatus</i>
2682	<i>Streptococcus devriesei</i>
2683	<i>Streptococcus didelphis</i>
2684	<i>Streptococcus dysgalactiae</i>
2685	<i>Streptococcus entericus</i>
2686	<i>Streptococcus equi</i>
2687	<i>Streptococcus equinus</i>
2688	<i>Streptococcus ferus</i>
2689	<i>Streptococcus gallolyticus</i>
2690	<i>Streptococcus henryi</i>
2691	<i>Streptococcus hyovaginalis</i>
2692	<i>Streptococcus infantarius</i>
2693	<i>Streptococcus iniae</i>
2694	<i>Streptococcus intermedius</i>
2695	<i>Streptococcus lutetiensis</i>
2696	<i>Streptococcus macedonicus</i>
2697	<i>Streptococcus marimammalium</i>
2698	<i>Streptococcus massiliensis</i>
2699	<i>Streptococcus merionis</i>
2700	<i>Streptococcus minor</i>
2701	<i>Streptococcus mutans</i>
2702	<i>Streptococcus oligofermentans</i>
2703	<i>Streptococcus orisratti</i>
2704	<i>Streptococcus ovis</i>
2705	<i>Streptococcus parauberis</i>
2706	<i>Streptococcus pasteurianus</i>
2707	<i>Streptococcus phage</i>
2708	<i>Streptococcus plurextorum</i>
2709	<i>Streptococcus pneumoniae</i>
2710	<i>Streptococcus porci</i>
2711	<i>Streptococcus prophage</i>
2712	<i>Streptococcus pseudopneumoniae</i>
2713	<i>Streptococcus pyogenes</i>
2714	<i>Streptococcus sobrinus</i>
2715	<i>Streptococcus</i> sp.
2716	<i>Streptococcus suis</i>
2717	<i>Streptococcus thermophilus</i>
2718	<i>Streptococcus thoralensis</i>
2719	<i>Streptococcus tigurinus</i>
2720	<i>Streptococcus uberis</i>

2721	<i>Streptococcus vestibularis</i>
2722	<i>Streptomyces achromogenes</i>
2723	<i>Streptomyces acidiscabies</i>
2724	<i>Streptomyces afghaniensis</i>
2725	<i>Streptomyces albidoflavus</i>
2726	<i>Streptomyces albus</i>
2727	<i>Streptomyces auratus</i>
2728	<i>Streptomyces aureocirculatus</i>
2729	<i>Streptomyces aureofaciens</i>
2730	<i>Streptomyces avellaneus</i>
2731	<i>Streptomyces avermitilis</i>
2732	<i>Streptomyces baarnensis</i>
2733	<i>Streptomyces bicolor</i>
2734	<i>Streptomyces bikiniensis</i>
2735	<i>Streptomyces bingchenggensis</i>
2736	<i>Streptomyces bottropensis</i>
2737	<i>Streptomyces canus</i>
2738	<i>Streptomyces catenulae</i>
2739	<i>Streptomyces cattleya</i>
2740	<i>Streptomyces cellulosa</i>
2741	<i>Streptomyces chartreusis</i>
2742	<i>Streptomyces clavuligerus</i>
2743	<i>Streptomyces collinus</i>
2744	<i>Streptomyces cyaneofuscatus</i>
2745	<i>Streptomyces davawensis</i>
2746	<i>Streptomyces decoyicus</i>
2747	<i>Streptomyces durhamensis</i>
2748	<i>Streptomyces erythrochromogenes</i>
2749	<i>Streptomyces exfoliatus</i>
2750	<i>Streptomyces flavidovirens</i>
2751	<i>Streptomyces flavochromogenes</i>
2752	<i>Streptomyces flavotricini</i>
2753	<i>Streptomyces flavovariabilis</i>
2754	<i>Streptomyces flavovirens</i>
2755	<i>Streptomyces fulvissimus</i>
2756	<i>Streptomyces fulvoviolaceus</i>
2757	<i>Streptomyces globisporus</i>
2758	<i>Streptomyces griseus</i>
2759	<i>Streptomyces halstedii</i>
2760	<i>Streptomyces hygrosopicus</i>
2761	<i>Streptomyces lavendulae</i>
2762	<i>Streptomyces lavenduligriseus</i>
2763	<i>Streptomyces leeuwenhoekii</i>
2764	<i>Streptomyces lividans</i>
2765	<i>Streptomyces megasporus</i>
2766	<i>Streptomyces monomycini</i>
2767	<i>Streptomyces natalensis</i>
2768	<i>Streptomyces niveus</i>
2769	<i>Streptomyces ochraceiscleroticus</i>
2770	<i>Streptomyces olivaceus</i>
2771	<i>Streptomyces peruviansis</i>
2772	<i>Streptomyces peucetius</i>
2773	<i>Streptomyces pristinaespiralis</i>
2774	<i>Streptomyces prunicolor</i>
2775	<i>Streptomyces purpeofuscus</i>
2776	<i>Streptomyces purpureus</i>
2777	<i>Streptomyces pyridomyceticus</i>
2778	<i>Streptomyces rapamycinicus</i>

2779	<i>Streptomyces resistomycificus</i>
2780	<i>Streptomyces rimosus</i>
2781	<i>Streptomyces roseochromogenus</i>
2782	<i>Streptomyces roseosporus</i>
2783	<i>Streptomyces roseovorticillatus</i>
2784	<i>Streptomyces ruber</i>
2785	<i>Streptomyces scabiei</i>
2786	<i>Streptomyces scabrisporus</i>
2787	<i>Streptomyces sclerotialus</i>
2788	<i>Streptomyces seoulensis</i>
2789	<i>Streptomyces somaliensis</i>
2790	<i>Streptomyces</i> sp.
2791	<i>Streptomyces sulphureus</i>
2792	<i>Streptomyces sviveus</i>
2793	<i>Streptomyces thermolilacinus</i>
2794	<i>Streptomyces varsoviensis</i>
2795	<i>Streptomyces venezuelae</i>
2796	<i>Streptomyces violaceoruber</i>
2797	<i>Streptomyces violaceorubidus</i>
2798	<i>Streptomyces violaceusniger</i>
2799	<i>Streptomyces violens</i>
2800	<i>Streptomyces virginiae</i>
2801	<i>Streptomyces viridochromogenes</i>
2802	<i>Streptomyces viridosporus</i>
2803	<i>Streptomyces vitaminophilus</i>
2804	<i>Streptomyces xanthophaeus</i>
2805	<i>Streptomyces</i> sp.
2806	<i>Streptosporangium amethystogenes</i>
2807	<i>Streptosporangium roseum</i>
2808	<i>Strongylocentrotus purpuratus</i>
2809	<i>Subdoligranulum</i> sp.
2810	<i>Subdoligranulum</i> sp.
2811	<i>Succinatimonas</i> sp.
2812	<i>Succinispira mobilis</i>
2813	<i>Succinivibrio dextrinosolvens</i>
2814	<i>Succinivibrionaceae</i> bacterium
2815	<i>Sulfitobacter guttiformis</i>
2816	<i>Sulfitobacter mediterraneus</i>
2817	<i>Sulfitobacter</i> sp.
2818	<i>Sulfolobus islandicus</i>
2819	<i>Sulfuricella denitrificans</i>
2820	<i>Sulfuricurvum kujiense</i>
2821	<i>Sulfurimonas autotrophica</i>
2822	<i>Sulfurimonas denitrificans</i>
2823	<i>Sulfurimonas</i> sp.
2824	<i>Sulfurospirillum arcachonense</i>
2825	<i>Sulfurospirillum barnesii</i>
2826	<i>Sulfurospirillum deleyianum</i>
2827	<i>Sulfurovum</i> sp.
2828	<i>Sus scrofa</i>
2829	<i>Sutterella parvirubra</i>
2830	<i>Sutterella</i> sp.
2831	<i>Sutterella wadsworthensis</i>
2832	<i>Symbiobacterium thermophilum</i>
2833	<i>Syncytium symbiont</i>
2834	<i>Synechococcus</i> phage
2835	<i>Synechococcus</i> sp.
2836	<i>Synechocystis</i> sp.

2837	<i>Synergistetes</i> bacterium
2838	<i>Syntrophobacter fumaroxidans</i>
2839	<i>Syntrophobotulus glycolicus</i>
2840	<i>Syntrophorhabdus aromaticivorans</i>
2841	<i>Syntrophothermus lipocalidus</i>
2842	<i>Syntrophus aciditrophicus</i>
2843	<i>Taeniopygia guttata</i>
2844	<i>Takifugu rubripes</i>
2845	<i>Tannerella forsythia</i>
2846	<i>Tannerella</i> sp.
2847	<i>Tarsius syrichta</i>
2848	<i>Tatumella ptyseos</i>
2849	<i>Tatumella</i> sp.
2850	<i>Taylorella equigenitalis</i>
2851	<i>Tenacibaculum maritimum</i>
2852	<i>Tenacibaculum ovolyticum</i>
2853	<i>Tenacibaculum</i> sp.
2854	<i>Tepidanaerobacter acetatoxydans</i>
2855	<i>Tepidiphilus margaritifer</i>
2856	<i>Terasakiella pusilla</i>
2857	<i>Teredinibacter turnerae</i>
2858	<i>Terracoccus</i> sp.
2859	<i>Terriglobus saanensis</i>
2860	<i>Terrimonas ferruginea</i>
2861	<i>Terrisporobacter glycolicus</i>
2862	<i>Tetragenococcus halophilus</i>
2863	<i>Tetrahymena thermophila</i>
2864	<i>Tetrasphaera elongata</i>
2865	<i>Thalassioibium</i> sp.
2866	<i>Thalassobacillus devorans</i>
2867	<i>Thalassobacter arenae</i>
2868	<i>Thalassospira lucentensis</i>
2869	<i>Thauera linaloolentis</i>
2870	<i>Thauera</i> sp.
2871	<i>Thauera terpenica</i>
2872	<i>Theileria annulata</i>
2873	<i>Theobroma cacao</i>
2874	<i>Thermaerobacter marianensis</i>
2875	<i>Thermaerobacter subterraneus</i>
2876	<i>Thermanaerovibrio acidaminovorans</i>
2877	<i>Thermicanus aegyptius</i>
2878	<i>Thermincola potens</i>
2879	<i>Thermithiobacillus tepidarius</i>
2880	<i>Thermoanaerobacter brockii</i>
2881	<i>Thermoanaerobacter indiensis</i>
2882	<i>Thermoanaerobacter italicus</i>
2883	<i>Thermoanaerobacter mathranii</i>
2884	<i>Thermoanaerobacter siderophilus</i>
2885	<i>Thermoanaerobacter</i> sp.
2886	<i>Thermoanaerobacter tengcongensis</i>
2887	<i>Thermoanaerobacter wiegelsii</i>
2888	<i>Thermoanaerobacterium saccharolyticum</i>
2889	<i>Thermoanaerobacterium</i> <i>thermosaccharolyticum</i>
2890	<i>Thermoanaerobacterium xylanolyticum</i>
2891	<i>Thermobacillus composti</i>
2892	<i>Thermobaculum terrenum</i>
2893	<i>Thermobifida fusca</i>

2894	<i>Thermobrachium celere</i>
2895	<i>Thermococcus barophilus</i>
2896	<i>Thermococcus zilligii</i>
2897	<i>Thermocrispum agreste</i>
2898	<i>Thermocrispum municipale</i>
2899	<i>Thermodesulfatator atlanticus</i>
2900	<i>Thermodesulfatator indicus</i>
2901	<i>Thermodesulfobacterium hveragerdense</i>
2902	<i>Thermodesulfobium narugense</i>
2903	<i>Thermodesulfovibrio thiophilus</i>
2904	<i>Thermodesulfovibrio yellowstonii</i>
2905	<i>Thermomicrobium roseum</i>
2906	<i>Thermomonas fusca</i>
2907	<i>Thermomonospora curvata</i>
2908	<i>Thermophagus xiamenensis</i>
2909	<i>Thermoplasmatales archaeon</i>
2910	<i>Thermosediminibacter oceani</i>
2911	<i>Thermosiphon africanus</i>
2912	<i>Thermosiphon melanesiensis</i>
2913	<i>Thermosynechococcus</i> sp.
2914	<i>Thermotoga elfii</i>
2915	<i>Thermotoga maritima</i>
2916	<i>Thermotoga thermarum</i>
2917	<i>Thermovibrio ammonificans</i>
2918	<i>Thermus igniterrae</i>
2919	<i>Thermus islandicus</i>
2920	<i>Thermus oshimai</i>
2921	<i>Thermus</i> sp.
2922	<i>Thermus thermophilus</i>
2923	<i>Thioalkalivibrio nitratireducens</i>
2924	<i>Thioalkalivibrio</i> sp.
2925	<i>Thioalkalivibrio sulfidophilus</i>
2926	<i>Thioalkalivibrio thiocyanodenitrificans</i>
2927	<i>Thioalkalivibrio thiocyanoxidans</i>
2928	<i>Thiobacillus denitrificans</i>
2929	<i>Thiobacillus thioparus</i>
2930	<i>Thiocystis violascens</i>
2931	<i>Thioflavicoccus mobilis</i>
2932	<i>Thiomicrospira arctica</i>
2933	<i>Thiomicrospira chilensis</i>
2934	<i>Thiomicrospira crunogena</i>
2935	<i>Thiomicrospira halophila</i>
2936	<i>Thiomicrospira pelophila</i>
2937	<i>Thiomicrospira</i> sp.
2938	<i>Thiomonas intermedia</i>
2939	<i>Thiomonas</i> sp.
2940	<i>Thioreductor micantisoli</i>
2941	<i>Thiorhodovibrio</i> sp.
2942	<i>Thiothrix disciformis</i>
2943	<i>Thiothrix flexilis</i>
2944	<i>Thiothrix lacustris</i>
2945	<i>Thiothrix nivea</i>
2946	<i>Tistrella mobilis</i>
2947	<i>Togninia minima</i>
2948	<i>Tolumonas</i> sp.
2949	<i>Tomitella biformata</i>
2950	<i>Toxoplasma gondii</i>
2951	<i>Tremella mesenterica</i>

2952	<i>Treponema brennaboreense</i>
2953	<i>Treponema bryantii</i>
2954	<i>Treponema lecithinolyticum</i>
2955	<i>Treponema maltophilum</i>
2956	<i>Treponema medium</i>
2957	<i>Treponema pallidum</i>
2958	<i>Treponema pedis</i>
2959	<i>Treponema phagedenis</i>
2960	<i>Treponema primitia</i>
2961	<i>Treponema socranskii</i>
2962	<i>Treponema</i> sp.
2963	<i>Treponema succinifaciens</i>
2964	<i>Tribolium castaneum</i>
2965	<i>Trichechus manatus</i>
2966	<i>Trichinella spiralis</i>
2967	<i>Trichodesmium erythraeum</i>
2968	<i>Trichomonas vaginalis</i>
2969	<i>Trichoplax adhaerens</i>
2970	<i>Truepera radiovictrix</i>
2971	<i>Trueperella pyogenes</i>
2972	<i>Trypanosoma cruzi</i>
2973	<i>Tsukamurella paurometabola</i>
2974	<i>Tsukubamonas globosa</i>
2975	<i>Tuber melanosporum</i>
2976	<i>Tupaia chinensis</i>
2977	<i>Turicella otitidis</i>
2978	<i>Tursiops truncatus</i>
2979	<i>Uliginosibacterium gangwonense</i>
2980	Uncultured bacterium
2981	Uncultured Sulfuricurvum
2982	<i>Undibacterium oligocarboniphilum</i>
2983	<i>Ureaplasma canigenitalium</i>
2984	<i>Ureaplasma parvum</i>
2985	<i>Ureibacillus thermosphaericus</i>
2986	<i>Ursus maritimus</i>
2987	<i>Ustilago maydis</i>
2988	<i>Vaccinium witches'-broom</i>
2989	<i>Vanderwaltozyma polyspora</i>
2990	<i>Variovorax paradoxus</i>
2991	<i>Variovorax</i> sp.
2992	<i>Verminephrobacter aporrectodeae</i>
2993	<i>Verminephrobacter eiseniae</i>
2994	<i>Verrucomicrobia bacterium</i>
2995	<i>Verrucomicrobiae bacterium</i>
2996	<i>Verrucomicrobium</i> sp.
2997	<i>Verrucomicrobium spinosum</i>
2998	<i>Verrucospora maris</i>
2999	<i>Verticillium albo-atrum</i>
3000	<i>Vibrio angustum</i>
3001	<i>Vibrio campbellii</i>
3002	<i>Vibrio cholerae</i>
3003	<i>Vibrio coralliilyticus</i>
3004	<i>Vibrio crassostreae</i>
3005	<i>Vibrio cyclitrophicus</i>
3006	<i>Vibrio fischeri</i>
3007	<i>Vibrio furnissii</i>
3008	<i>Vibrio genomosp.</i>
3009	<i>Vibrio harveyi</i>

3010	<i>Vibrio kanaloae</i>
3011	<i>Vibrio litoralis</i>
3012	<i>Vibrio mimicus</i>
3013	<i>Vibrio nigripulchritudo</i>
3014	<i>Vibrio ordalii</i>
3015	<i>Vibrio parahaemolyticus</i>
3016	<i>Vibrio rotiferianus</i>
3017	<i>Vibrio rumoiensis</i>
3018	<i>Vibrio shiloi</i>
3019	<i>Vibrio</i> sp.
3020	<i>Vibrio splendidus</i>
3021	<i>Vibrio vulnificus</i>
3022	<i>Vicugna pacos</i>
3023	<i>Virgibacillus halodenitrificans</i>
3024	<i>Vitis vinifera</i>
3025	<i>Vitreoscilla stercoraria</i>
3026	<i>Volvox carteri</i>
3027	<i>Waddlia chondrophila</i>
3028	<i>Wallemia sebi</i>
3029	<i>Weeksella virosa</i>
3030	<i>Weissella cibaria</i>
3031	<i>Weissella koreensis</i>
3032	<i>Weissella oryzae</i>
3033	<i>Weissella paramesenteroides</i>
3034	<i>Wigglesworthia glossinidia</i>
3035	<i>Wohlfahrtiimonas chitiniclastica</i>
3036	<i>Wolbachia</i> sp.
3037	<i>Wolinella succinogenes</i>
3038	<i>Xanthobacter autotrophicus</i>
3039	<i>Xanthobacter</i> sp.
3040	Xanthobacteraceae bacterium
3041	Xanthomonadaceae bacterium
3042	<i>Xanthomonas albilineans</i>
3043	<i>Xanthomonas arboricola</i>
3044	<i>Xanthomonas axonopodis</i>
3045	<i>Xanthomonas campestris</i>
3046	<i>Xanthomonas fuscans</i>
3047	<i>Xanthomonas hortorum</i>
3048	<i>Xanthomonas oryzae</i>
3049	<i>Xanthomonas phage</i>
3050	<i>Xanthomonas sacchari</i>
3051	<i>Xanthomonas</i> sp.
3052	<i>Xanthomonas translucens</i>
3053	<i>Xenopus</i> (Silurana)
3054	<i>Xenorhabdus bovienii</i>
3055	<i>Xenorhabdus nematophila</i>
3056	<i>Xiphophorus maculatus</i>
3057	<i>Xylanimonas cellulositytica</i>
3058	<i>Xylella fastidiosa</i>
3059	<i>Yaniella halotolerans</i>
3060	<i>Yersinia enterocolitica</i>
3061	<i>Yersinia pestis</i>
3062	<i>Yersinia pseudotuberculosis</i>
3063	<i>Yokenella regensburgei</i>
3064	<i>Zavarzinella formosa</i>
3065	<i>Zea mays</i>
3066	<i>Zeta proteobacterium</i>
3067	<i>Zimmermannella faecalis</i>

3068	<i>Zobellia galactanivorans</i>
3069	<i>Zonotrichia albicollis</i>
3070	<i>Zoogloea oryzae</i>
3071	<i>Zooshikella ganghwensis</i>
3072	<i>Zunongwangia profunda</i>
3073	<i>Zygosaccharomyces rouxii</i>
3074	<i>Zymomonas mobilis</i>
3075	<i>Zymophilus raffinosisivorans</i>

Table S31 : The taxonomic profile predicted from the assembly results of MetaVelvet-SL using BLAST for the SRS018661 dataset.

No.	Species
1	Abiotrophia defectiva
2	Acidovorax unclassified
3	Acinetobacter junii
4	Actinomyces odontolyticus
5	Actinomyces oris
6	Actinomyces viscosus
7	Aggregatibacter aphrophilus
8	Aggregatibacter segnis
9	Alicyclophilus denitrificans
10	Anaerococcus unclassified
11	Atopobium parvulum
12	Campylobacter concisus
13	Campylobacter gracilis
14	Capnocytophaga gingivalis
15	Capnocytophaga ochracea
16	Capnocytophaga sputigena
17	Cardiobacterium hominis
18	Catonella morbi
19	Corynebacterium matruchotii
20	Dialister invisus
21	Eikenella corrodens
22	Escherichia coli
23	Escherichia unclassified
24	Eubacterium saburreum
25	Eubacterium saphenum
26	Fusobacterium nucleatum
27	Fusobacterium periodonticum
28	Gemella haemolysans
29	Gemella moribillum
30	Granulicatella adiacens
31	Granulicatella elegans
32	Haemophilus influenzae
33	Haemophilus parainfluenzae
34	Kingella oralis
35	Lautropia mirabilis
36	Leptotrichia buccalis
37	Leptotrichia hofstadii
38	Leptotrichia unclassified
39	Megasphaera micronuciformis
40	Neisseria gonorrhoeae
41	Neisseria mucosa
42	Neisseria sicca
43	Oribacterium sinus
44	Parvimonas micros
45	Peptoniphilus unclassified
46	Peptostreptococcus stomatis
47	Prevotella melaninogenica
48	Prevotella multiformis
49	Prevotella oris
50	Prevotella salivae
51	Prevotella tannerae
52	Prevotella veroralis
53	Propionibacterium acnes
54	Propionibacterium unclassified
55	Rothia dentocariosa
56	Rothia mucilaginosa
57	Selenomonas artemidis
58	Selenomonas flueggei
59	Selenomonas noxia
60	Selenomonas sputigena
61	Selenomonas unclassified
62	Solobacterium moorei
63	Streptococcus anginosus
64	Streptococcus australis
65	Streptococcus cristatus
66	Streptococcus gordonii
67	Streptococcus infantis
68	Streptococcus mitis
69	Streptococcus oralis
70	Streptococcus parasanguinis
71	Streptococcus peroris
72	Streptococcus pneumoniae
73	Streptococcus salivarius
74	Streptococcus sanguinis
75	Streptococcus thermophilus
76	Treponema denticola
77	Treponema vincentii
78	Veillonella atypica
79	Veillonella dispar
80	Veillonella parvula
81	Veillonella unclassified
1	'Nostoc azollae'
2	[Clostridium] aerotolerans
3	[Clostridium] bifermentans
4	[Clostridium] manganotii
5	[Clostridium] methoxybenzovorans
6	[Clostridium] papyrosolvans
7	[Clostridium] saccharogumia
8	[Clostridium] sordellii
9	[Clostridium] sticklandii,
10	[Eubacterium] cellulosolvans
11	[Eubacterium] yurii
12	[Scytonema hofmanni]
13	Acanthamoeba polyphaga
14	Acetivibrio cellulolyticus
15	Acetobacter aceti
16	Acetobacter sp.
17	Acetobacterium woodii
18	Acholeplasma axanthum
19	Acholeplasma granularum
20	Acholeplasma sp.
21	Achromobacter piechaudii
22	Achromobacter xylosoxidans
23	Acidaminococcus sp.
24	Acidiphilium angustum
25	Acidithiobacillus ferrivorans
26	Acidobacteria bacterium
27	Acidobacteriaceae bacterium
28	Acidocella sp.
29	Acinetobacter baumannii

30	<i>Acinetobacter bereziniae</i>	88	<i>Aedes aegypti</i>
31	<i>Acinetobacter brisouii</i>	89	<i>Aequorivita capsosiphonis</i>
32	<i>Acinetobacter calcoaceticus</i>	90	<i>Aequorivita sublithicola</i>
33	<i>Acinetobacter genomosp.</i>	91	<i>Aerococcus urinae</i>
34	<i>Acinetobacter generi</i>	92	<i>Aeromicrobium marinum</i>
35	<i>Acinetobacter guillouiae</i>	93	<i>Aeromonas hydrophila</i>
36	<i>Acinetobacter gyllenbergii</i>	94	<i>Aestuariimicrobium kwangyangense</i>
37	<i>Acinetobacter haemolyticus</i>	95	<i>Agaricus bisporus</i>
38	<i>Acinetobacter indicus</i>	96	<i>Aggregatibacter actinomycetemcomitans</i>
39	<i>Acinetobacter johnsonii</i>	97	<i>Aggregatibacter phage</i>
40	<i>Acinetobacter lwoffii</i>	98	<i>Aggregatibacter sp.</i>
41	<i>Acinetobacter nosocomialis</i>	99	<i>Agrococcus pavilionensis</i>
42	<i>Acinetobacter parvus</i>	100	<i>Agromyces italicus</i>
43	<i>Acinetobacter pittii</i>	101	<i>Ailuropoda melanoleuca</i>
44	<i>Acinetobacter radioresistens</i>	102	<i>Alcaligenes faecalis</i>
45	<i>Acinetobacter schindleri</i>	103	<i>Algicola sagamiensis</i>
46	<i>Acinetobacter soli</i>	104	<i>Algoriphagus mannitolivorans</i>
47	<i>Acinetobacter sp.</i>	105	<i>Algoriphagus marincola</i>
48	<i>Acinetobacter tandoii</i>	106	<i>Algoriphagus sp.</i>
49	<i>Acinetobacter tjernbergiae</i>	107	<i>Algoriphagus terrigena</i>
50	<i>Acinetobacter ursingii</i>	108	<i>Algoriphagus vanfongensis</i>
51	<i>Acinetobacter venetianus</i>	109	<i>Aliagarivorans marinus</i>
52	<i>Actinobacillus capsulatus</i>	110	<i>Alicyclobacillus acidoterrestris</i>
53	<i>Actinobacillus hominis</i>	111	<i>Aliivibrio salmonicida</i>
54	<i>Actinobacillus pleuropneumoniae</i>	112	<i>Alistipes finegoldii</i>
55	<i>Actinobacillus porcinus</i>	113	<i>Alistipes indistinctus</i>
56	<i>Actinobacillus succinogenes</i>	114	<i>Alistipes onderdonkii</i>
57	<i>Actinobacillus suis</i>	115	<i>Alistipes putredinis</i>
58	<i>Actinobacillus ureae</i>	116	<i>Alistipes senegalensis</i>
59	<i>Actinobacterium LLX17</i>	117	<i>Alistipes shahii</i>
60	<i>Actinobacterium SCGC</i>	118	<i>Alistipes sp.</i>
61	<i>Actinobaculum massiliae</i>	119	<i>Alistipes timonensis</i>
62	<i>Actinobaculum sp.</i>	120	<i>Alkalibacillus haloalkaliphilus</i>
63	<i>Actinobaculum urinale</i>	121	<i>Alkaliflexus imshenetskii</i>
64	<i>Actinomadura flavalba</i>	122	<i>Alkaliphilus oremlandii</i>
65	<i>Actinomyces cardiffensis</i>	123	<i>Alkaliphilus transvaalensis</i>
66	<i>Actinomyces dentalis</i>	124	<i>Alkanindiges illinoisensis</i>
67	<i>Actinomyces europaeus</i>	125	<i>Alligator mississippiensis</i>
68	<i>Actinomyces georgiae</i>	126	<i>Allofustis seminis</i>
69	<i>Actinomyces gerencseriae</i>	127	<i>Allokutzneria albata</i>
70	<i>Actinomyces graevenitzii</i>	128	<i>Alloscardovia omnicoles</i>
71	<i>Actinomyces johnsonii</i>	129	<i>Alpha proteobacterium</i>
72	<i>Actinomyces massiliensis</i>	130	<i>alpha proteobacterium</i>
73	<i>Actinomyces naeslundii</i>	131	<i>Alteromonas sp.</i>
74	<i>Actinomyces neuui</i>	132	<i>Amborella trichopoda</i>
75	<i>Actinomyces slackii</i>	133	<i>Aminomonas paucivorans</i>
76	<i>Actinomyces sp.</i>	134	<i>Amphibacillus jilinensis</i>
77	<i>Actinomyces suimastitidis</i>	135	<i>Amphimedon queenslandica</i>
78	<i>Actinomyces timonensis</i>	136	<i>Amycolatopsis balhimycina</i>
79	<i>Actinomyces turicensis</i>	137	<i>Amycolatopsis nigrescens</i>
80	<i>Actinomyces urogenitalis</i>	138	<i>Amycolatopsis orientalis</i>
81	<i>Actinomyces vaccimaxillae</i>	139	<i>Anabaena cylindrica</i>
82	<i>Actinoplanes friuliensis</i>	140	<i>Anabaena sp.</i>
83	<i>Actinoplanes missouriensis</i>	141	<i>Anabaena variabilis</i>
84	<i>Actinoplanes subtropicus</i>	142	<i>Anaeroglobus geminatus</i>
85	<i>Actinopolymorpha alba</i>	143	<i>Anaeromusa acidaminophila</i>
86	<i>Acyrtosiphon pisum</i>	144	<i>Anaerophaga thermohalophila</i>
87	<i>Adhaeribacter aquaticus</i>	145	<i>Anaerovibrio sp.</i>

146	<i>Anaerovorax odorimutans</i>
147	<i>Anas platyrhynchos</i>
148	<i>Aneurinibacillus aneurinilyticus</i>
149	<i>Anolis carolinensis</i>
150	<i>Anopheles gambiae</i>
151	<i>Aphanizomenon flos-aquae</i>
152	<i>Apis dorsata</i>
153	<i>Apis mellifera</i>
154	<i>Aplysia californica</i>
155	<i>Aptenodytes forsteri</i>
156	<i>Aquimarina agarilytica</i>
157	<i>Aquimarina latercula</i>
158	<i>Aquimarina macrocephali</i>
159	<i>Aquimarina megaterium</i>
160	<i>Aquimarina muelleri</i>
161	<i>Aquimarina</i> sp.
162	<i>Arcanobacterium haemolyticum</i>
163	<i>Arcobacter butzleri</i>
164	<i>Arcobacter cibarius</i>
165	<i>Arcobacter</i> sp.
166	<i>Arenibacter algicola</i>
167	<i>Arenibacter certesii</i>
168	<i>Arenibacter latericius</i>
169	<i>Arenimonas composti</i>
170	<i>Arenitalea lutea</i>
171	<i>Arsenophonus nasoniae</i>
172	<i>Arthrobacter</i> sp.
173	<i>Arthrospira platensis</i>
174	<i>Asaia platycodi</i>
175	<i>Asaia prunellae</i>
176	<i>Astyanax mexicanus</i>
177	<i>Atopobacter phocae</i>
178	<i>Atopobium</i> sp.
179	<i>Avibacterium paragallinarum</i>
180	<i>Azoarcus</i> sp.
181	<i>Azohydromonas australica</i>
182	<i>Azorhizobium doebereinae</i>
183	<i>Azospirillum brasilense</i>
184	<i>Azospirillum</i> sp.
185	<i>Azovibrio restrictus</i>
186	<i>Bacillus acidiproducens</i>
187	<i>Bacillus aurantiacus</i>
188	<i>Bacillus bogoriensis</i>
189	<i>Bacillus cereus</i>
190	<i>Bacillus coagulans</i>
191	<i>Bacillus coahuilensis</i>
192	<i>Bacillus endophyticus</i>
193	<i>Bacillus flexus</i>
194	<i>Bacillus gelatini</i>
195	<i>Bacillus kribbensis</i>
196	<i>Bacillus mannilyticus</i>
197	<i>Bacillus massilioanorexius</i>
198	<i>Bacillus massiliosenegalensis</i>
199	<i>Bacillus megaterium</i>
200	<i>Bacillus oceanisediminis</i>
201	<i>Bacillus pumilus</i>
202	<i>Bacillus</i> sp.
203	<i>Bacillus subtilis</i>

204	<i>Bacillus thuringiensis</i>
205	<i>Bacillus timonensis</i>
206	<i>Bacteriophage Aaphi23</i> ,
207	<i>Bacteriovorax marinus</i>
208	Bacteroidales bacterium
209	<i>Bacteroides acidifaciens</i>
210	<i>Bacteroides barnesiae</i>
211	<i>Bacteroides cellulosityticus</i>
212	<i>Bacteroides clarus</i>
213	<i>Bacteroides coprocola</i>
214	<i>Bacteroides coprophilus</i>
215	<i>Bacteroides dorei</i>
216	<i>Bacteroides eggerthii</i>
217	<i>Bacteroides faecichinchillae</i>
218	<i>Bacteroides faecis</i>
219	<i>Bacteroides finegoldii</i>
220	<i>Bacteroides fluxus</i>
221	<i>Bacteroides fragilis</i>
222	<i>Bacteroides gallinarum</i>
223	<i>Bacteroides graminisolvens</i>
224	<i>Bacteroides helcogenes</i>
225	<i>Bacteroides intestinalis</i>
226	<i>Bacteroides massiliensis</i>
227	<i>Bacteroides nordii</i>
228	<i>Bacteroides oleiciplenus</i>
229	<i>Bacteroides ovatus</i>
230	<i>Bacteroides paurosaccharolyticus</i>
231	<i>Bacteroides pectinophilus</i>
232	<i>Bacteroides plebeius</i>
233	<i>Bacteroides propionificaciens</i>
234	<i>Bacteroides pyogenes</i>
235	<i>Bacteroides rodentium</i>
236	<i>Bacteroides salanitronis</i>
237	<i>Bacteroides salyersiae</i>
238	<i>Bacteroides sartorii</i>
239	<i>Bacteroides</i> sp.
240	<i>Bacteroides stercorisoris</i>
241	<i>Bacteroides stercoris</i>
242	<i>Bacteroides uniformis</i>
243	<i>Bacteroides vulgatus</i>
244	<i>Bacteroides xylanisolvens</i>
245	<i>Bacteroidetes bacterium</i>
246	<i>Bacteroidetes oral</i>
247	<i>Balaenoptera acutorostrata</i>
248	<i>Barnesiella intestinihominis</i>
249	<i>Bartonella doshiae</i>
250	<i>Bartonella elizabethae</i>
251	<i>Bartonella henselae</i>
252	<i>Bartonella vinsonii</i>
253	<i>Bavariicoccus seileri</i>
254	<i>Bdellovibrio bacteriovorus</i>
255	<i>Belliella baltica</i>
256	<i>Bergeyella zoohelcum</i>
257	<i>Beutenbergia cavernae</i>
258	<i>Bibersteinia trehalosi</i>
259	<i>Bifidobacterium animalis</i>
260	<i>Bifidobacterium bifidum</i>
261	<i>Bifidobacterium breve</i>

262	<i>Bifidobacterium choerinum</i>	320	<i>Caldibacillus debilis</i>
263	<i>Bifidobacterium longum</i>	321	<i>Caldicellulosiruptor obsidiansis</i>
264	<i>Bifidobacterium magnum</i>	322	<i>Caldicellulosiruptor owensensis</i>
265	<i>Bifidobacterium pseudolongum</i>	323	<i>Caldimonas manganoxidans</i>
266	<i>Bifidobacterium ruminantium</i>	324	<i>Caldisericum exile</i>
267	<i>Bifidobacterium</i> sp.	325	<i>Callithrix jacchus</i>
268	<i>Bifidobacterium thermophilum</i>	326	<i>Calothrix</i> sp.
269	<i>Bilophila wadsworthia</i>	327	<i>Calypte anna</i>
270	Bisgaard taxon	328	<i>Camelus ferus</i>
271	<i>Blastococcus saxosidans</i>	329	<i>Campylobacter coli</i>
272	<i>Blastococcus</i> sp.	330	<i>Campylobacter curvus</i>
273	<i>Blattabacterium</i> sp.	331	<i>Campylobacter hominis</i>
274	<i>Blautia hansenii</i>	332	<i>Campylobacter jejuni</i>
275	<i>Blautia hydrogenotrophica</i>	333	<i>Campylobacter</i> sp.
276	<i>Blautia</i> sp.	334	<i>Campylobacter upsaliensis</i>
277	<i>Bombyx mori</i>	335	<i>Campylobacter ureolyticus</i>
278	<i>Bordetella bronchiseptica</i>	336	<i>Campylobacterales bacterium</i>
279	<i>Bordetella hinzii</i>	337	<i>Candida glabrata</i>
280	<i>Bordetella petrii</i>	338	Candidate division
281	<i>Borrelia crocidurae</i>	339	<i>Candidatus Alistipes</i>
282	<i>Bos mutus</i>	340	<i>Candidatus Arthromitus</i>
283	<i>Bos taurus</i>	341	<i>Candidatus Cloacamonas</i>
284	<i>Botryotinia fuckeliana</i>	342	<i>Candidatus Kinetoplastibacterium</i>
285	<i>Brachybacterium faecium</i>	343	<i>Candidatus Liberibacter</i>
286	<i>Brachybacterium muris</i>	344	<i>Candidatus Odysella</i>
287	<i>Brachybacterium paraconglomeratum</i>	345	<i>Candidatus Pelagibacter</i>
288	<i>Brachybacterium squillarum</i>	346	<i>Candidatus Poribacteria</i>
289	<i>Brachymonas chironomi</i>	347	<i>Candidatus Puniceispirillum</i>
290	<i>Brachypodium distachyon</i>	348	<i>Candidatus Ruthia</i>
291	<i>Brachyspira innocens</i>	349	<i>Candidatus Saccharibacteria</i>
292	<i>Brachyspira</i> sp.	350	<i>Candidatus Saccharimonas</i>
293	<i>Bradyrhizobium japonicum</i>	351	<i>Candidatus Schmidhempelia</i>
294	<i>Bradyrhizobium</i> sp.	352	<i>Candidatus Stoquefichus</i>
295	<i>Branchiostoma floridae</i>	353	<i>Canis familiaris</i>
296	<i>Brassica rapa</i>	354	<i>Canis lupus</i>
297	<i>Brevibacterium album</i>	355	<i>Capnocytophaga canimorsus</i>
298	<i>Brevibacterium linens</i>	356	<i>Capnocytophaga cynodegmi</i>
299	<i>Brevibacterium senegalense</i> ,	357	<i>Capnocytophaga granulosa</i>
300	<i>Brevundimonas aveniformis</i>	358	<i>Capnocytophaga</i> sp.
301	<i>Brevundimonas diminuta</i>	359	<i>Capra hircus</i>
302	<i>Brochothrix thermosphacta</i>	360	<i>Cardiobacterium valvarum</i>
303	<i>Brucella</i> sp.	361	<i>Carnobacterium jeotgali</i>
304	<i>Brugia malayi</i>	362	<i>Carnobacterium maltaromaticum</i>
305	<i>Bubalus bubalis</i>	363	<i>Carnobacterium</i> sp.
306	<i>Burkholderia andropogonis</i>	364	<i>Caulobacter segnis</i>
307	<i>Burkholderia cenocepacia</i>	365	<i>Caulobacter</i> sp.
308	<i>Burkholderia cepacia</i>	366	<i>Cavia porcellus</i>
309	<i>Burkholderia pseudomallei</i>	367	<i>Cellulomonas fimi</i>
310	<i>Burkholderia pyrrocinia</i>	368	<i>Cellulomonas flavigena</i>
311	<i>Burkholderia sordidicola</i>	369	<i>Cellulomonas</i> sp.
312	<i>Burkholderia</i> sp.	370	<i>Cellulophaga algicola</i>
313	<i>Burkholderia vietnamiensis</i>	371	<i>Cellulophaga baltica</i>
314	<i>Butyricimonas synergistica</i>	372	<i>Cellulophaga lytica</i>
315	<i>Butyrivibrio crossotus</i>	373	<i>Cellulosimicrobium cellulans</i>
316	<i>Butyrivibrio fibrisolvens</i>	374	<i>Cellvibrio gilvus</i>
317	<i>Butyrivibrio proteoclasticus</i>	375	<i>Centipeda periodontii</i>
318	<i>Butyrivibrio</i> sp.	376	<i>Ceratitidis capitata</i>
319	<i>Caenorhabditis elegans</i>	377	<i>Ceratotherium simum</i>

378	<i>Cetobacterium somerae</i>
379	<i>Chelativorans</i> sp.
380	<i>Chelonia mydas</i>
381	<i>Chinchilla lanigera</i>
382	<i>Chitinimonas koreensis</i>
383	<i>Chlamydomonas reinhardtii</i>
384	<i>Chlamydomphila</i> sp.
385	<i>Chlorobium chlorochromatii</i>
386	<i>Chlorobium luteolum</i>
387	<i>Chlorocebus aethiops</i>
388	<i>Chlorocebus sabaesus</i>
389	<i>Chloroflexi</i> bacterium
390	<i>Chloroherpeton thalassium</i>
391	<i>Chroococidiopsis thermalis</i>
392	<i>Chrysemys picta</i>
393	<i>Chryseobacterium caeni</i>
394	<i>Chryseobacterium daeguense</i>
395	<i>Chryseobacterium gleum</i>
396	<i>Chryseobacterium gregarium</i>
397	<i>Chryseobacterium haifense</i>
398	<i>Chryseobacterium hispalense</i>
399	<i>Chryseobacterium palustre</i>
400	<i>Chryseobacterium</i> sp.
401	<i>Chryseobacterium taeanense</i>
402	<i>Chrysochloris asiatica</i>
403	<i>Cicer arietinum</i>
404	<i>Ciona intestinalis</i>
405	<i>Citricoccus</i> sp.
406	<i>Citrobacter rodentium</i>
407	<i>Citrobacter youngae</i>
408	<i>Citrus clementina</i>
409	<i>Citrus sinensis</i>
410	<i>Clavibacter michiganensis</i>
411	<i>Cloacibacterium rupense</i>
412	<i>Cloacimonetes</i> bacterium
413	<i>Clostridiales</i> bacterium
414	<i>Clostridiales</i> genomsp.
415	<i>Clostridiisalibacter paucivorans</i>
416	<i>Clostridium acetobutylicum</i>
417	<i>Clostridium autoethanogenum</i>
418	<i>Clostridium bartlettii</i>
419	<i>Clostridium beijerinckii</i>
420	<i>Clostridium boltea</i>
421	<i>Clostridium botulinum</i>
422	<i>Clostridium butyricum</i>
423	<i>Clostridium cadaveris</i>
424	<i>Clostridium celatum</i>
425	<i>Clostridium cellulolyticum</i>
426	<i>Clostridium cellulovorans</i>
427	<i>Clostridium</i> cf.
428	<i>Clostridium clariflavum</i>
429	<i>Clostridium clostridioforme</i>
430	<i>Clostridium colicanis</i>
431	<i>Clostridium difficile</i>
432	<i>Clostridium hathewayi</i>
433	<i>Clostridium hiranonis</i>
434	<i>Clostridium hydrogeniformans</i>
435	<i>Clostridium innocuum</i>

436	<i>Clostridium intestinale</i>
437	<i>Clostridium kluuyveri</i>
438	<i>Clostridium lentocellum</i>
439	<i>Clostridium ljungdahlii</i>
440	<i>Clostridium lundense</i>
441	<i>Clostridium nexile</i>
442	<i>Clostridium paraputrificum</i>
443	<i>Clostridium pasteurianum</i>
444	<i>Clostridium perfringens</i>
445	<i>Clostridium phytofermentans</i>
446	<i>Clostridium saccharobutylicum</i>
447	<i>Clostridium saccharolyticum</i>
448	<i>Clostridium saccharoperbutylacetonicum</i>
449	<i>Clostridium scatologenes</i>
450	<i>Clostridium scindens</i>
451	<i>Clostridium senegalense</i>
452	<i>Clostridium</i> sp.
453	<i>Clostridium spiroforme</i>
454	<i>Clostridium sporogenes</i>
455	<i>Clostridium tetani</i>
456	<i>Clostridium thermocellum</i>
457	<i>Clostridium tyrobutyricum</i>
458	<i>Clostridium ultunense</i>
459	<i>Clostridium viride</i>
460	<i>Cobetia crustatorum</i>
461	<i>Collinsella</i> sp.
462	<i>Columba livia</i>
463	<i>Comamonadaceae</i> bacterium
464	<i>Comamonas badia</i>
465	<i>Comamonas</i> sp.
466	<i>Comamonas testosteroni</i>
467	complete chromosome
468	<i>Conchiformibius kuhniae</i>
469	<i>Conchiformibius steedae</i>
470	<i>Condylura cristata</i>
471	<i>Congregibacter litoralis</i>
472	<i>Coprobacillus</i> sp.
473	<i>Coprococcus catus</i>
474	<i>Coprococcus comes</i>
475	<i>Coprococcus eutactus</i>
476	<i>Coprococcus</i> sp.
477	<i>Coralimargarita akajimensis</i>
478	<i>Corallococcus coralloides</i>
479	<i>Cordyceps militaris</i>
480	<i>Coriobacteriaceae</i> bacterium
481	<i>Corvus brachyrhynchos</i>
482	<i>Corynebacterium aurimucosum</i>
483	<i>Corynebacterium bovis</i>
484	<i>Corynebacterium ciconiae</i>
485	<i>Corynebacterium diphtheriae</i>
486	<i>Corynebacterium durum</i>
487	<i>Corynebacterium efficiens</i>
488	<i>Corynebacterium genitalium</i>
489	<i>Corynebacterium glucuronolyticum</i>
490	<i>Corynebacterium jeikeium</i>
491	<i>Corynebacterium lipophiloflavum</i>
492	<i>Corynebacterium lubricantis</i>
493	<i>Corynebacterium massiliense</i>

494	<i>Corynebacterium nuruki</i>	552	<i>Dialister microaerophilus</i>
495	<i>Corynebacterium</i> sp.	553	<i>Dialister</i> sp.
496	<i>Corynebacterium sputi</i>	554	<i>Diaphorina citri</i>
497	<i>Corynebacterium striatum</i>	555	<i>Diaphorobacter nitroreducens</i>
498	<i>Corynebacterium ulcerans</i>	556	<i>Dickeya dadantii</i>
499	<i>Corynebacterium variabile</i>	557	<i>Dickeya paradisiaca</i>
500	<i>Corynebacterium</i> -like bacterium	558	<i>Dickeya zeae</i>
501	<i>Crenarchaeota archaeon</i>	559	<i>Dictyostelium discoideum</i>
502	<i>Cricetulus griseus</i>	560	<i>Dietzia alimentaria</i>
503	<i>Croceibacter atlanticus</i>	561	<i>Dinoroseobacter shibae</i>
504	<i>Crocinitomix catalasitica</i>	562	<i>Diplorickettsia massiliensis</i>
505	<i>Cronobacter helveticus</i>	563	<i>Dolosigranulum pigrum</i>
506	<i>Cronobacter sakazakii</i>	564	<i>Donghicola xiamenensis</i>
507	<i>Cucumibacter marinus</i>	565	<i>Dorea longicatena</i>
508	<i>Cucumis melo</i>	566	<i>Dorea</i> sp.
509	<i>Cucumis sativus</i>	567	<i>Drosophila ananassae</i>
510	<i>Culex pipiens</i>	568	<i>Drosophila melanogaster</i>
511	<i>Cupriavidus</i> sp.	569	<i>Drosophila mojavensis</i>
512	<i>Curtobacterium flaccumfaciens</i>	570	<i>Drosophila willistoni</i>
513	<i>Curtobacterium</i> sp.	571	<i>Drosophila yakuba</i>
514	<i>Curvibacter lanceolatus</i>	572	<i>Dyadobacter alkalitolerans</i>
515	<i>Cyanothece</i> sp.	573	<i>Dyadobacter beijingensis</i>
516	<i>Cyclobacterium marinum</i>	574	<i>Dyadobacter fermentans</i>
517	<i>Cynoglossus semilaevis</i>	575	<i>Dyella ginsengisoli</i>
518	<i>Cytophaga fermentans</i>	576	<i>Dysgonomonas capnocytophagoides</i>
519	<i>Cytophaga hutchinsonii</i>	577	<i>Dysgonomonas gadei</i>
520	<i>Danio rerio</i>	578	<i>Echinops telfairi</i>
521	<i>Dasypus novemcinctus</i>	579	<i>Edwardsiella ictaluri</i>
522	<i>Dechlorosoma suillum</i>	580	<i>Edwardsiella tarda</i>
523	<i>Dehalobacter</i> sp.	581	<i>Eggerthella</i> sp.
524	<i>Dehalogenimonas lykanthroporepellens</i>	582	<i>Eggerthia catenaformis</i>
525	<i>Deinococcus aquatilis</i>	583	<i>Elephantulus edwardii</i>
526	<i>Deinococcus geothermalis</i>	584	<i>Elioraea tepidiphila</i>
527	<i>Deinococcus gobiensis</i>	585	<i>Elizabethkingia anophelis</i>
528	<i>Deinococcus peraridilitoris</i>	586	<i>Elizabethkingia meningoseptica</i>
529	<i>Deinococcus wulumuqiensis</i>	587	<i>Emiliana huxleyi</i>
530	<i>Delftia acidovorans</i>	588	<i>Empedobacter brevis</i>
531	<i>Delftia</i> sp.	589	<i>Emticicia oligotrophica</i>
532	<i>delta proteobacterium</i>	590	<i>Entamoeba histolytica</i>
533	<i>Delta proteobacterium</i>	591	<i>Entamoeba invadens</i>
534	<i>Dermabacter</i> sp.	592	<i>Entamoeba nuttalli</i>
535	<i>Desulfitobacterium dichloroeliminans</i>	593	<i>Enterobacter asburiae</i>
536	<i>Desulfobacterium anilini</i>	594	<i>Enterobacter cloacae</i>
537	<i>Desulfobulbus propionicus</i>	595	<i>Enterobacter radicincitans</i>
538	<i>Desulfococcus oleovorans</i>	596	<i>Enterobacter</i> sp.
539	<i>Desulfosporosinus orientis</i>	597	<i>Enterobacteria phage</i>
540	<i>Desulfosporosinus youngiae</i>	598	<i>Enterococcus avium</i>
541	<i>Desulfotomaculum acetoxidans</i>	599	<i>Enterococcus caccae</i>
542	<i>Desulfotomaculum alcoholivorax</i>	600	<i>Enterococcus casseliflavus</i>
543	<i>Desulfotomaculum gibsoniae</i>	601	<i>Enterococcus columbae</i>
544	<i>Desulfovibrio aespoeensis</i>	602	<i>Enterococcus faecalis</i>
545	<i>Desulfovibrio desulfuricans</i>	603	<i>Enterococcus faecium</i>
546	<i>Desulfovibrio gigas</i>	604	<i>Enterococcus haemoperoxidus</i>
547	<i>Desulfovibrio putealis</i>	605	<i>Enterococcus italicus</i>
548	<i>Desulfurispirillum indicum</i>	606	<i>Enterococcus mundtii</i>
549	<i>Desulfurivibrio alkaliphilus</i>	607	<i>Enterococcus pallens</i>
550	<i>Desulfurobacterium thermolithotrophum</i>	608	<i>Enterococcus phoeniculicola</i>
551	<i>Desulfuromonas</i> sp.	609	<i>Enterococcus saccharolyticus</i>

610	<i>Enterococcus sulfureus</i>
611	<i>Enterococcus villorum</i>
612	<i>Enterocytozoon bieneusi</i>
613	<i>Enterovibrio calviensis</i>
614	<i>Epilithonimonas tenax</i>
615	<i>Eptesicus fuscus</i>
616	<i>Equus caballus</i>
617	<i>Equus przewalskii</i>
618	<i>Eremococcus coleocola</i>
619	<i>Erinaceus europaeus</i>
620	<i>Erwinia</i> sp.
621	<i>Erwinia toletana</i>
622	<i>Erysipelotrichaceae</i> bacterium
623	<i>Ethanoligenens harbinense</i>
624	<i>Eubacteriaceae</i> bacterium
625	<i>Eubacterium bifforme</i>
626	<i>Eubacterium brachy</i>
627	<i>Eubacterium cylindroides</i>
628	<i>Eubacterium desmolans</i>
629	<i>Eubacterium eligens</i>
630	<i>Eubacterium hallii</i>
631	<i>Eubacterium infirmum</i>
632	<i>Eubacterium rectale</i>
633	<i>Eubacterium siraeum</i>
634	<i>Eubacterium</i> sp.
635	<i>Eubacterium ventriosum</i>
636	<i>Eubacterium xylanophilum</i>
637	<i>Eubacterium yurii</i>
638	<i>Eutrema salsugineum</i>
639	<i>Eutypa lata</i>
640	<i>Facklamia hominis</i>
641	<i>Facklamia ignava</i>
642	<i>Faecalibacterium prausnitzii</i>
643	<i>Faecalibacterium</i> sp.
644	<i>Falco cherrug</i>
645	<i>Felis catus</i>
646	<i>Ferrovum myxofaciens</i>
647	<i>Fibrella aestuarina</i>
648	<i>Fibrobacter succinogenes</i>
649	<i>Ficedula albicollis</i>
650	<i>Filamentous cyanobacterium</i>
651	<i>Filifactor alocis</i>
652	<i>Finegoldia magna</i>
653	<i>Firmicutes</i> bacterium
654	<i>Fischerella</i> sp.
655	<i>Flavobacteria</i> bacterium
656	<i>Flavobacteriaceae</i> bacterium
657	<i>Flavobacterium antarcticum</i>
658	<i>Flavobacterium branchiophilum</i>
659	<i>Flavobacterium chungangense</i>
660	<i>Flavobacterium columnare</i>
661	<i>Flavobacterium daejeonense</i>
662	<i>Flavobacterium denitrificans</i>
663	<i>Flavobacterium filum</i>
664	<i>Flavobacterium frigidarium</i>
665	<i>Flavobacterium gelidilacus</i>
666	<i>Flavobacterium indicum</i>
667	<i>Flavobacterium johnsoniae</i>

668	<i>Flavobacterium psychrophilum</i>
669	<i>Flavobacterium sasangense</i>
670	<i>Flavobacterium soli</i>
671	<i>Flavobacterium</i> sp.
672	<i>Flavobacterium succinicans</i>
673	<i>Flavobacterium suncheonense</i>
674	<i>Flavobacterium tegetincola</i>
675	<i>Flectobacillus major</i>
676	<i>Flexibacter elegans</i>
677	<i>Flexibacter litoralis</i>
678	<i>Flexibacter roseolus</i>
679	<i>Fluviicola taffensis</i>
680	<i>Fomitiporia mediterranea</i>
681	<i>Fragaria vesca</i>
682	<i>Francisella philomiragia</i>
683	<i>Francisella</i> sp.
684	<i>Francisella tularensis</i>
685	<i>Frankia</i> sp.
686	<i>Frankia symbiont</i>
687	<i>Fulvimarina pelagi</i>
688	<i>Fusobacterium gonidiaformans</i>
689	<i>Fusobacterium mortiferum</i>
690	<i>Fusobacterium necrophorum</i>
691	<i>Fusobacterium perfoetens</i>
692	<i>Fusobacterium russii</i>
693	<i>Fusobacterium</i> sp.
694	<i>Fusobacterium ulcerans</i>
695	<i>Fusobacterium varium</i>
696	<i>Gaetbulibacter saemankumensis</i>
697	<i>Gaeumannomyces graminis</i>
698	<i>Galeopterus variegatus</i>
699	<i>Gallibacterium anatis</i>
700	<i>Gallus gallus</i>
701	<i>Gamma proteobacterium</i>
702	<i>gamma proteobacterium</i>
703	<i>Gardnerella vaginalis</i>
704	<i>Geitlerinema</i> sp.
705	<i>Gelidibacter mesophilus</i>
706	<i>Gemella bergeriae</i>
707	<i>Gemella cuniculi</i>
708	<i>Gemella sanguinis</i>
709	<i>Geminococcus roseus</i>
710	<i>Geminocystis herdmannii</i>
711	<i>Geobacillus</i> sp.
712	<i>Geobacillus thermodenitrificans</i>
713	<i>Geobacter</i> sp.
714	<i>Geospiza fortis</i>
715	<i>Geothrix fermentans</i>
716	<i>Gillisia limnaea</i>
717	<i>Gillisia marina</i>
718	<i>Glacielcola</i> sp.
719	<i>Glomeribacter</i> sp.
720	<i>Gluconacetobacter</i> sp.
721	<i>Glycine max</i>
722	<i>Glycomyces</i> sp.
723	<i>Gordonia hirsuta</i>
724	<i>Gorilla gorilla</i>
725	<i>Gramella echinicola</i>

726	<i>Gramella forsetii</i>	784	<i>Kingella kingae</i>
727	<i>Gramella portivictoriae</i>	785	<i>Kitasatospora setae</i>
728	<i>Gryllotalpicola ginsengisoli</i>	786	<i>Kitasatospora</i> sp.
729	<i>Haemophilus aegyptius</i>	787	<i>Klebsiella oxytoca</i>
730	<i>Haemophilus ducreyi</i>	788	<i>Klebsiella pneumoniae</i>
731	<i>Haemophilus paraphrohaemolyticus</i>	789	<i>Kocuria atrinae</i>
732	<i>Haemophilus parasuis</i>	790	<i>Kocuria rhizophila</i>
733	<i>Haemophilus somnus</i>	791	<i>Kocuria</i> sp.
734	<i>Haemophilus</i> sp.	792	<i>Kordia algicida</i>
735	<i>Haemophilus sputorum</i>	793	<i>Kribbella catacumbae</i>
736	<i>Haliangium ochraceum</i>	794	<i>Kribbella flavida</i>
737	<i>Haliea salexigens</i>	795	<i>Krokinobacter</i> sp.
738	<i>Haliscomenobacter hydrossis</i>	796	<i>Kurthia huakuii</i>
739	<i>Hallella seregens</i>	797	<i>Kurthia</i> sp.
740	<i>Halobacteroides halobius</i>	798	<i>Kyripidia tusciae</i>
741	<i>Halomonas</i> sp.	799	<i>Lachnoanaerobaculum umeaense</i>
742	<i>halophilic archaeon</i>	800	<i>Lachnobacterium bovis</i>
743	<i>Halorhodospira halophila</i>	801	<i>Lachnoclostridium phytofermentans</i>
744	<i>Halotalea alkalilenta</i>	802	<i>Lachnospira multipara</i>
745	<i>Halothiobacillus neapolitanus</i>	803	<i>Lachnospiraceae bacterium</i>
746	<i>Hamadaea tsunoensis</i>	804	<i>Lachnospiraceae oral</i>
747	<i>Helcococcus kunzii</i>	805	<i>Lacinutrix</i> sp.
748	<i>Helcococcus sueciensis</i>	806	<i>Lacticigenium naphthae</i>
749	<i>Helicobacter bizzozeronii</i>	807	<i>Lactobacillus acidipiscis</i>
750	<i>Helicobacter canadensis</i>	808	<i>Lactobacillus apodemi</i>
751	<i>Helicobacter canis</i>	809	<i>Lactobacillus casei</i>
752	<i>Helicobacter cetorum</i>	810	<i>Lactobacillus ceti</i>
753	<i>Helicobacter pylori</i>	811	<i>Lactobacillus crispatus</i>
754	<i>Helicobacter rodentium</i>	812	<i>Lactobacillus equi</i>
755	<i>Helobdella robusta</i>	813	<i>Lactobacillus gasserii</i>
756	<i>Herminiimonas</i> sp.	814	<i>Lactobacillus hayakitensis</i>
757	<i>Heterocephalus glaber</i>	815	<i>Lactobacillus iners</i>
758	<i>Hippea alviniae</i>	816	<i>Lactobacillus jensenii</i>
759	<i>Hippea</i> sp.	817	<i>Lactobacillus johnsonii</i>
760	<i>Hoeflea phototrophica</i>	818	<i>Lactobacillus kefiranofaciens</i>
761	<i>Holdmania filiformis</i>	819	<i>Lactobacillus parafarraginis</i>
762	<i>Homo sapiens</i>	820	<i>Lactobacillus plantarum</i>
763	<i>Humibacter albus</i>	821	<i>Lactobacillus pobuzihii</i>
764	<i>Hydra magnipapillata</i>	822	<i>Lactobacillus reuteri</i>
765	<i>Hymenobacter aerophilus</i>	823	<i>Lactobacillus rhamnosus</i>
766	<i>Ichthyophthirius multifiliis</i>	824	<i>Lactobacillus sakei</i>
767	<i>Ideonella</i> sp.	825	<i>Lactobacillus salivarius</i>
768	<i>Ignatzschineria larvae</i>	826	<i>Lactobacillus vini</i>
769	<i>Ignavibacterium album</i>	827	<i>Lactococcus chungangensis</i>
770	<i>Ilyobacter polytropus</i>	828	<i>Lactococcus garvieae</i>
771	<i>Intrasporangium calvum</i>	829	<i>Lactococcus lactis</i>
772	<i>Isoptericola variabilis</i>	830	<i>Laribacter hongkongensis</i>
773	<i>Ixodes scapularis</i>	831	<i>Latimeria chalumnae</i>
774	<i>Jaculus jaculus</i>	832	<i>Leadbetterella byssophila</i>
775	<i>Janibacter</i> sp.	833	<i>Lechevalieria aerocolonigenes</i>
776	<i>Jeotgalicoccus marinus</i>	834	<i>Leeia oryzae</i>
777	<i>Jiangella gansuensis</i>	835	<i>Leeuwenhoekiiella blandensis</i>
778	<i>Johnsonella ignava</i>	836	<i>Leeuwenhoekiiella</i> sp.
779	<i>Jonquetella anthropi</i>	837	<i>Legionella drancourtii</i>
780	<i>Joostella marina</i>	838	<i>Legionella pneumophila</i>
781	<i>Kandleria vitulina</i>	839	<i>Leifsonia xyli</i>
782	<i>Ketogulonigenium vulgare</i>	840	<i>Leisingera nanhaiensis</i>
783	<i>Kingella denitrificans</i>	841	<i>Lepisosteus oculatus</i>

842	<i>Leptolyngbya boryana</i>
843	<i>Leptomyrmex pallens</i>
844	<i>Leptonychotes weddellii</i>
845	<i>Leptospira biflexa</i>
846	<i>Leptospira borgpetersenii</i>
847	<i>Leptospira kirschneri</i>
848	<i>Leucobacter chironomi</i>
849	<i>Leucobacter salsicius</i>
850	<i>Leuconostoc fallax</i>
851	<i>Leuconostoc kimchii</i>
852	<i>Leuconostoc mesenteroides</i>
853	<i>Lewinella cohaerens</i>
854	<i>Limnohabitans</i> sp.
855	<i>Lipotes vexillifer</i>
856	<i>Listeria grayi</i>
857	<i>Listeria monocytogenes</i>
858	<i>Listeria welshimeri</i>
859	<i>Loxodonta africana</i>
860	<i>Lyngbya majuscula</i>
861	<i>Lysinibacillus boronitolerans</i>
862	<i>Lysinibacillus fusiformis</i>
863	<i>Lysinibacillus sphaericus</i>
864	<i>Lysobacter antibioticus</i>
865	<i>Macaca fascicularis</i>
866	<i>Macaca mulatta</i>
867	<i>Macrocooccus caseolyticus</i>
868	<i>Magnetospirillum gryphiswaldense</i>
869	<i>Magnetospirillum magneticum</i>
870	<i>Manacus vitellinus</i>
871	<i>Mannheimia granulomatis</i>
872	<i>Mannheimia haemolytica</i>
873	<i>Mannheimia succiniciproducens</i>
874	<i>Maribacter antarcticus</i>
875	<i>Maribacter</i> sp.
876	<i>Marinilabilia salmonicolor</i>
877	<i>Marinimicrobium</i> sp.
878	<i>Marinobacterium litorale</i>
879	<i>Marinobacterium rhizophilum</i>
880	<i>Marinobacterium stanieri</i>
881	<i>Marinococcus halotolerans</i>
882	<i>Marinomonas posidonica</i>
883	<i>Marinomonas</i> sp.
884	<i>Marivirga tractuosa</i>
885	<i>Marssonina brunnea</i>
886	<i>Massilia alkalitolerans</i>
887	<i>Mastigocoleus testarum</i>
888	<i>Medicago truncatula</i>
889	<i>Megachile rotundata</i>
890	<i>Megamonas funiformis</i>
891	<i>Megamonas hypermegale</i>
892	<i>Megamonas rupellensis</i>
893	<i>Meleagris gallopavo</i>
894	<i>Melissococcus plutonius</i>
895	<i>Melitea salexigens</i>
896	<i>Melopsittacus undulatus</i>
897	<i>Merops nubicus</i>
898	<i>Mesocricetus auratus</i>
899	<i>Mesoflavibacter zeaxanthinifaciens</i>

900	<i>Mesononia mobilis</i>
901	<i>Mesorhizobium ciceri</i>
902	<i>Mesorhizobium</i> sp.
903	<i>Metaseiulus occidentalis</i>
904	<i>Methanobrevibacter smithii</i>
905	<i>Methanobrevibacter</i> sp.
906	<i>Methanoculleus marisnigri</i>
907	<i>Methanohalobium evestigatum</i>
908	<i>Methanomassiliicoccus</i> sp.
909	<i>Methanomethylovorans hollandica</i>
910	<i>Methanosalsum zhilinae</i>
911	<i>Methanosphaerula palustris</i>
912	<i>Methylobacter tundripaludum</i>
913	<i>Methylobacterium populi</i>
914	<i>Methylobacterium</i> sp.
915	<i>Methyllocaldum szegediense</i>
916	<i>Methylocapsa acidiphila</i>
917	<i>Methylococcus capsulatus</i>
918	<i>Methylocystis parvus</i>
919	<i>Methylomicrobium album</i>
920	<i>Methylomonas methanica</i>
921	<i>Methylophilus</i> sp.
922	<i>Methylopila</i> sp.
923	<i>Methylosarcina fibrata</i>
924	<i>Methyлотenera mobilis</i>
925	<i>Methyлотenera</i> sp.
926	<i>Methyloversatilis</i> sp.
927	<i>Microbacterium gubbeenense</i>
928	<i>Microbacterium indicum</i>
929	<i>Microbacterium maritypicum</i>
930	<i>Microbacterium</i> sp.
931	<i>Microbacterium testaceum</i>
932	<i>Microbulbifer agarilyticus</i>
933	<i>Micrococcus luteus</i>
934	<i>Microgenomates bacterium</i>
935	<i>Micromonospora purpureochromogenes</i>
936	<i>Microplitis demolitor</i>
937	<i>Microtus ochrogaster</i>
938	Milkweed yellows
939	<i>Mitsuokella</i> sp.
940	<i>Mobiluncus curtisii</i>
941	<i>Mobiluncus mulieris</i>
942	<i>Modestobacter marinus</i> ,
943	<i>Monodelphis domestica</i>
944	<i>Monosiga brevicollis</i>
945	<i>Moraxella boevrei</i>
946	<i>Moraxella caprae</i>
947	<i>Moraxella catarrhalis</i>
948	<i>Moritella dasanensis</i>
949	<i>Mucilaginibacter paludis</i>
950	<i>Mucispirillum schaedleri</i>
951	<i>Mus musculus</i>
952	<i>Musca domestica</i>
953	<i>Mustela putorius</i>
954	<i>Mycobacterium avium</i>
955	<i>Mycobacterium fortuitum</i>
956	<i>Mycobacterium genavense</i>
957	<i>Mycobacterium parascrofulaceum</i>

958	<i>Mycobacterium</i> sp.	1016	<i>Novosphingobium aromaticivorans</i>
959	<i>Mycobacterium tuberculosis</i>	1017	<i>Oceanicola granulosus</i>
960	<i>Mycobacterium tusciae</i>	1018	<i>Oceanospirillum beijerinckii</i>
961	<i>Mycobacterium vaccae</i>	1019	<i>Oceanospirillum maris</i>
962	<i>Mycobacterium vanbaalenii</i>	1020	<i>Ochotona princeps</i>
963	<i>Mycoplasma agalactiae</i>	1021	<i>Ochrobactrum anthropi</i>
964	<i>Mycoplasma cloacale</i>	1022	<i>Ochrobactrum</i> sp.
965	<i>Mycoplasma leachii</i>	1023	<i>Octadecabacter antarcticus</i>
966	<i>Mycoplasma leonicaptivi</i>	1024	<i>Octodon degus</i>
967	<i>Mycoplasma mycoides</i>	1025	<i>Odobenus rosmarus</i>
968	<i>Mycoplasma ovis</i>	1026	<i>Odoribacter</i> sp.
969	<i>Mycoplasma primatum</i>	1027	<i>Odoribacter splanchnicus</i>
970	<i>Mycoplasma</i> sp.	1028	<i>Oenococcus kitaharae</i>
971	<i>Mycoplasma testudinis</i>	1029	<i>Oerskovia turbata</i>
972	<i>Myotis brandtii</i>	1030	<i>Olivibacter sitiensis</i>
973	<i>Myotis davidii</i>	1031	<i>Olleya marilimosa</i>
974	<i>Myotis lucifugus</i>	1032	<i>Olleya</i> sp.
975	<i>Myroides injenensis</i>	1033	<i>Olsenella uli</i>
976	<i>Myroides odoratimimus</i>	1034	<i>Opitutus terrae</i>
977	<i>Myroides odoratus</i>	1035	<i>Orcinus orca</i>
978	<i>Myxococcus stipitatus</i>	1036	<i>Oreochromis niloticus</i>
979	<i>Naegleria gruberi</i>	1037	<i>Oribacterium</i> sp.
980	<i>Nafulsella turpanensis</i>	1038	<i>Ornithinibacillus scapharcae</i>
981	<i>Nannospalax galili</i>	1039	<i>Ornithobacterium rhinotracheale</i>
982	<i>Naumovozyma dairenensis</i>	1040	<i>Ornithorhynchus anatinus</i>
983	<i>Nautilia profundicola</i>	1041	<i>Orycteropus afer</i>
984	<i>Neisseria bacilliformis</i>	1042	<i>Oryctolagus cuniculus</i>
985	<i>Neisseria lactamica</i>	1043	<i>Oryza brachyantha</i>
986	<i>Neisseria macacae</i>	1044	<i>Oryza sativa</i>
987	<i>Neisseria meningitidis</i>	1045	<i>Oryzias latipes</i>
988	<i>Neisseria polysaccharea</i>	1046	<i>Oscillatoriales cyanobacterium</i>
989	<i>Neisseria shayegani</i>	1047	<i>Otolemur garnettii</i>
990	<i>Neisseria</i> sp.	1048	<i>Ottowia thiooxydans</i>
991	<i>Neisseria wadsworthii</i>	1049	<i>Ovis aries</i>
992	<i>Nematostella vectensis</i>	1050	<i>Owenweeksia hongkongensis</i>
993	<i>Neolamprologus brichardi</i>	1051	<i>Oxalobacteraceae bacterium</i>
994	<i>Niastella koreensis</i>	1052	<i>Paenibacillus ginsengihumi</i>
995	<i>Nitratifactor salsuginis</i>	1053	<i>Paenibacillus graminis</i>
996	<i>Nitratiruptor</i> sp.	1054	<i>Paenibacillus pasadenensis</i>
997	<i>Nitrobacter winogradskyi</i>	1055	<i>Paenibacillus polymyxa</i>
998	<i>Nitrosomonas cryotolerans</i>	1056	<i>Paenibacillus sanguinis</i>
999	<i>Nitrosomonas europaea</i>	1057	<i>Paenibacillus senegalensis</i>
1000	<i>Nitrospira briensis</i>	1058	<i>Paenibacillus terrae</i>
1001	<i>Nocardia farcinica</i>	1059	<i>Paenisporosarcina</i> sp.
1002	<i>Nocardia</i> sp.	1060	<i>Pan paniscus</i>
1003	<i>Nocardioides alkalitolerans</i>	1061	<i>Pan troglodytes</i>
1004	<i>Nocardioides insulae</i>	1062	<i>Pandoraea</i> sp.
1005	<i>Nocardioides</i> sp.	1063	<i>Panthera tigris</i>
1006	<i>Nocardiopsis alba</i>	1064	<i>Pantholops hodgsonii</i>
1007	<i>Nocardiopsis baichengensis</i>	1065	<i>Pantoea dispersa</i>
1008	<i>Nocardiopsis gilva</i>	1066	<i>Pantoea vagans</i>
1009	<i>Nocardiopsis potens</i>	1067	<i>Papio anubis</i>
1010	<i>Nocardiopsis prasina</i>	1068	<i>Parabacteroides distasonis</i>
1011	<i>Nomascus leucogenys</i>	1069	<i>Parabacteroides goldsteinii</i>
1012	<i>Nonlabens dokdonensis</i>	1070	<i>Parabacteroides gordonii</i>
1013	<i>Nonomuraea coxensis</i>	1071	<i>Parabacteroides johnsonii</i>
1014	<i>Nostoc punctiforme</i>	1072	<i>Parabacteroides merdae</i>
1015	<i>Novispirillum itersonii</i>	1073	<i>Parabacteroides</i> sp.

1074	<i>Paracoccus denitrificans</i>
1075	<i>Paracoccus pantotrophus</i>
1076	<i>Paracoccus yeei</i>
1077	<i>Paraoerskovia marina</i>
1078	<i>Paraprevotella clara</i>
1079	<i>Paraprevotella xylaniphila</i>
1080	<i>Parascardovia denticolens</i>
1081	<i>Parcubacteria bacterium</i>
1082	<i>Parvibaculum lavamentivorans</i>
1083	<i>Pasteurella dagmatis</i>
1084	<i>Pasteurella multocida</i>
1085	<i>Pasteurella pneumotropica</i>
1086	<i>Patulibacter minatonensis</i>
1087	<i>Pectobacterium atrosepticum</i>
1088	<i>Pectobacterium carotovorum</i>
1089	<i>Pediculus humanus</i>
1090	<i>Pediococcus acidilactici</i>
1091	<i>Pedobacter agri</i>
1092	<i>Pedobacter arcticus</i>
1093	<i>Pedobacter borealis</i>
1094	<i>Pedobacter glucosidilyticus</i>
1095	<i>Pedobacter oryzae</i>
1096	<i>Pedobacter saltans</i>
1097	<i>Pedobacter sp.</i>
1098	<i>Pelistega sp.</i>
1099	<i>Pelodiscus sinensis</i>
1100	<i>Peptoclostridium difficile</i>
1101	<i>Peptostreptococcaceae bacterium</i>
1102	<i>Peptostreptococcus anaerobius</i>
1103	<i>Perkinsus marinus</i>
1104	<i>Peromyscus maniculatus</i>
1105	<i>Persephonella marina</i>
1106	<i>Phaeosphaeria nodorum</i>
1107	<i>Phascolarctobacterium sp.</i>
1108	<i>Phaseolus vulgaris</i>
1109	<i>Phoenix dactylifera</i>
1110	<i>Photobacterium damsela</i>
1111	<i>Photobacterium leiognathi</i>
1112	<i>Photorhabdus asymbiotica</i> ,
1113	<i>Phycisphaera mikurensis</i>
1114	<i>Physcomitrella patens</i>
1115	<i>Physeter catodon</i>
1116	<i>Planctomyces limnophilus</i>
1117	<i>Planktothrix agardhii</i>
1118	<i>Planktothrix prolifica</i>
1119	<i>Plasmodium berghei</i>
1120	<i>Plasmodium cynomolgi</i>
1121	<i>Pleurocapsa sp.</i>
1122	<i>Poecilia formosa</i>
1123	<i>Poecilia reticulata</i>
1124	<i>Poinsettia branch-inducing</i>
1125	<i>Polaribacter sp.</i>
1126	<i>Polaromonas naphthalenivorans</i>
1127	<i>Pongo abelii</i>
1128	<i>Pontibacter roseus</i>
1129	<i>Populus trichocarpa</i>
1130	<i>Porphyromonas asaccharolytica</i>
1131	<i>Porphyromonas bennonis</i>

1132	<i>Porphyromonas cangingivalis</i>
1133	<i>Porphyromonas catoniae</i>
1134	<i>Porphyromonas gingivalis</i>
1135	<i>Porphyromonas gingivicanis</i>
1136	<i>Porphyromonas levii</i>
1137	<i>Porphyromonas macacae</i>
1138	<i>Porphyromonas somerae</i>
1139	<i>Porphyromonas sp.</i>
1140	<i>Porphyromonas uenonis</i>
1141	<i>Prauserella rugosa</i>
1142	<i>Prevotella albensis</i>
1143	<i>Prevotella amnii</i>
1144	<i>Prevotella aurantiaca</i>
1145	<i>Prevotella baroniae</i>
1146	<i>Prevotella bergensis</i>
1147	<i>Prevotella bivia</i>
1148	<i>Prevotella brevis</i>
1149	<i>Prevotella bryantii</i>
1150	<i>Prevotella buccae</i>
1151	<i>Prevotella copri</i>
1152	<i>Prevotella corporis</i>
1153	<i>Prevotella dentalis</i>
1154	<i>Prevotella dantasini</i>
1155	<i>Prevotella denticola</i>
1156	<i>Prevotella disiens</i>
1157	<i>Prevotella enoeca</i>
1158	<i>Prevotella falsenii</i>
1159	<i>Prevotella fusca</i>
1160	<i>Prevotella histicola</i>
1161	<i>Prevotella intermedia</i>
1162	<i>Prevotella loeschei</i>
1163	<i>Prevotella maculosa</i>
1164	<i>Prevotella marshii</i>
1165	<i>Prevotella micans</i>
1166	<i>Prevotella multisaccharivorax</i>
1167	<i>Prevotella nanceiensis</i>
1168	<i>Prevotella nigrescens</i>
1169	<i>Prevotella oralis</i>
1170	<i>Prevotella oulorum</i>
1171	<i>Prevotella pallens</i>
1172	<i>Prevotella pleuritidis</i>
1173	<i>Prevotella ruminicola</i>
1174	<i>Prevotella saccharolytica</i>
1175	<i>Prevotella scopos</i>
1176	<i>Prevotella shahii</i>
1177	<i>Prevotella sp.</i>
1178	<i>Prevotella stercorea</i>
1179	<i>Prevotella timonensis</i>
1180	<i>Prochlorococcus marinus</i>
1181	<i>Prochlorococcus sp.</i>
1182	<i>Prolixibacter bellariivorans</i>
1183	<i>Propionicicella superfundia</i>
1184	<i>Propionimicrobium lymphophilum</i>
1185	<i>Prosthecochloris aestuarii</i>
1186	<i>Proteiniphilum acetatigenes</i>
1187	<i>Proteobacteria bacterium</i>
1188	<i>Proteus mirabilis</i>
1189	<i>Providencia alcalifaciens</i>

1190	<i>Providencia rettgeri</i>	1248	<i>Rhodospirillum photometricum</i>
1191	<i>Providencia rustigianii</i>	1249	<i>Rhodothermus marinus</i>
1192	<i>Prunus mume</i>	1250	<i>Ricinus communis</i>
1193	<i>Prunus persica</i>	1251	<i>Rickettsia helvetica</i>
1194	<i>Pseudoalteromonas flavipulchra</i>	1252	<i>Riemerella anatipestifer</i>
1195	<i>Pseudobutyrvibrio ruminis</i>	1253	<i>Riemerella columbina</i>
1196	<i>Pseudoclavibacter soli</i>	1254	<i>Rikenella microfus</i>
1197	<i>Pseudogulbenkiania</i> sp.	1255	<i>Roseburia intestinalis</i>
1198	<i>Pseudomonas aeruginosa</i>	1256	<i>Roseburia</i> sp.
1199	<i>Pseudomonas alcaligenes</i>	1257	<i>Roseiflexus</i> sp.
1200	<i>Pseudomonas alcaliphila</i>	1258	<i>Roseobacter</i> sp.
1201	<i>Pseudomonas avellanae</i>	1259	<i>Roseovarius</i> sp.
1202	<i>Pseudomonas chloritidismutans</i>	1260	<i>Rothia aeria</i>
1203	<i>Pseudomonas chlororaphis</i>	1261	<i>Rubrivivax gelatinosus</i>
1204	<i>Pseudomonas corrugata</i>	1262	<i>Rudanella lutea</i>
1205	<i>Pseudomonas fuscovaginae</i>	1263	<i>Ruegeria conchae</i>
1206	<i>Pseudomonas nitroreducens</i>	1264	<i>Ruminococcaceae</i> bacterium
1207	<i>Pseudomonas phage</i>	1265	<i>Ruminococcus albus</i>
1208	<i>Pseudomonas putida</i>	1266	<i>Ruminococcus flavefaciens</i>
1209	<i>Pseudomonas</i> sp.	1267	<i>Ruminococcus gnavus</i>
1210	<i>Pseudomonas stutzeri</i>	1268	<i>Ruminococcus obeum</i>
1211	<i>Pseudomonas syringae</i>	1269	<i>Ruminococcus</i> sp.
1212	<i>Pseudomonas thermotolerans</i>	1270	<i>Ruminococcus torques</i>
1213	<i>Pseudonocardia acaciae</i>	1271	<i>Runella limosa</i>
1214	<i>Pseudonocardia dioxanivorans</i>	1272	<i>Runella slithyformis</i>
1215	<i>Pseudonocardia spinospora</i>	1273	<i>Saccharopolyspora erythraea</i>
1216	<i>Pseudoramibacter alactolyticus</i>	1274	<i>Saccharopolyspora spinosa</i>
1217	<i>Pseudorhodobacter ferrugineus</i>	1275	<i>Saccoglossus kowalevskii</i>
1218	<i>Pseudoxanthomonas</i> sp.	1276	<i>Saimiri boliviensis</i>
1219	<i>Psychrilyobacter atlanticus</i>	1277	<i>Salana multivorans</i>
1220	<i>Psychrobacter phenylpyruvicus</i>	1278	<i>Salinimicrobium terrae</i>
1221	<i>Psychrobacter</i> sp.	1279	<i>Salinimicrobium xinjiangense</i>
1222	<i>Psychroflexus torquus</i>	1280	<i>Salinispora arenicola</i>
1223	<i>Psychroflexus tropicus</i>	1281	<i>Salinispora pacifica</i>
1224	<i>Psychroserpens burtonensis</i>	1282	<i>Salinivibrio siamensis</i>
1225	<i>Psychrosinus fermentans</i>	1283	<i>Salisaeta longa</i>
1226	<i>Pteropus alecto</i>	1284	<i>Salmonella enterica</i>
1227	<i>Pyrenophora teres</i>	1285	<i>Salpingoeca</i> sp.
1228	<i>Python bivittatus</i>	1286	<i>Salsuginibacillus kocurii</i>
1229	<i>Ralstonia eutropha</i>	1287	<i>Sanguibacter keddieii</i>
1230	<i>Ralstonia pickettii</i>	1288	<i>Saprospira grandis</i>
1231	<i>Ralstonia solanacearum</i>	1289	SAR324 cluster
1232	<i>Ralstonia</i> sp.	1290	<i>Sarcophilus harrisii</i>
1233	<i>Ramlibacter tataouinensis</i>	1291	<i>Schizophyllum commune</i>
1234	<i>Rattus norvegicus</i>	1292	<i>Sebaldella termitidis</i>
1235	<i>Rheinheimera perlucida</i>	1293	<i>Sediminibacter</i> sp.
1236	<i>Rhizobium etli</i>	1294	<i>Sediminibacterium salmoneum</i>
1237	<i>Rhizobium larrymoorei</i>	1295	<i>Sediminibacterium</i> sp.
1238	<i>Rhizobium leguminosarum</i>	1296	<i>Serinus canaria</i>
1239	<i>Rhizobium</i> sp.	1297	<i>Serratia liquefaciens</i>
1240	<i>Rhizobium tropici</i>	1298	<i>Serratia marcescens</i>
1241	<i>Rhizobium undicola</i>	1299	<i>Serratia odorifera</i>
1242	<i>Rhodanobacter</i> sp.	1300	<i>Serratia</i> sp.
1243	<i>Rhodobacter capsulatus</i>	1301	<i>Shewanella putrefaciens</i>
1244	<i>Rhodobacter sphaeroides</i>	1302	<i>Shewanella sediminis</i>
1245	<i>Rhodococcus equi</i>	1303	<i>Shimazuella kribbensis</i>
1246	<i>Rhodococcus</i> sp.	1304	<i>Shuttleworthia satelles</i>
1247	<i>Rhodopseudomonas palustris</i>	1305	<i>Silanimonas lenta</i>

1306	<i>Simkania negevensis</i>
1307	<i>Simonsiella muelleri</i>
1308	<i>Simplicispira psychrophila</i>
1309	<i>Singularimonas variicoloris</i>
1310	<i>Sinorhizobium meliloti</i>
1311	<i>Sinorhizobium phage</i>
1312	<i>Slackia exigua</i>
1313	<i>Slackia heliotrinireducens</i>
1314	<i>Sodalis glossinidius</i>
1315	<i>Solanum lycopersicum</i>
1316	<i>Solanum tuberosum</i>
1317	<i>Sorex araneus</i>
1318	<i>Sorghum bicolor</i>
1319	<i>Spermophilus tridecemlineatus</i>
1320	<i>Sphingobacterium</i> sp.
1321	<i>Sphingobacterium spiritivorum</i>
1322	<i>Sphingobacterium thalpophilum</i>
1323	<i>Sphingobium</i> sp.
1324	<i>Sphingobium ummariense</i>
1325	<i>Sphingomonas</i> sp.
1326	<i>Sphingomonas wittichii</i>
1327	<i>Sphingomonas</i> -like bacterium
1328	<i>Sphingopyxis baekryungensis</i>
1329	<i>Spirochaeta cellobiosiphila</i>
1330	<i>Spirosoma luteum</i>
1331	<i>Sporocytophaga myxococcoides</i>
1332	<i>Sporolactobacillus inulinus</i>
1333	<i>Staphylococcus aureus</i>
1334	<i>Staphylococcus capitis</i>
1335	<i>Staphylococcus carnosus</i>
1336	<i>Staphylococcus epidermidis</i>
1337	<i>Staphylococcus haemolyticus</i>
1338	<i>Staphylococcus hominis</i>
1339	<i>Staphylococcus lentus</i>
1340	<i>Staphylococcus lugdunensis</i>
1341	<i>Staphylococcus pasteurii</i>
1342	<i>Staphylococcus saprophyticus</i>
1343	<i>Staphylococcus simulans</i>
1344	<i>Staphylococcus</i> sp.
1345	<i>Staphylococcus vitulinus</i>
1346	<i>Staphylococcus warneri</i>
1347	<i>Staphylococcus xylosus</i>
1348	<i>Stegastes partitus</i>
1349	<i>Stenotrophomonas maltophilia</i>
1350	<i>Stomatobaculum longum</i>
1351	<i>Streptobacillus moniliformis</i>
1352	<i>Streptococcus agalactiae</i>
1353	<i>Streptococcus castoreus</i>
1354	<i>Streptococcus constellatus</i>
1355	<i>Streptococcus didelphis</i>
1356	<i>Streptococcus dysgalactiae</i>
1357	<i>Streptococcus equi</i>
1358	<i>Streptococcus gallolyticus</i>
1359	<i>Streptococcus henryi</i>
1360	<i>Streptococcus hyovaginalis</i>
1361	<i>Streptococcus infantarius</i>
1362	<i>Streptococcus iniae</i>
1363	<i>Streptococcus intermedius</i>

1364	<i>Streptococcus lutetiensis</i>
1365	<i>Streptococcus marimammalium</i>
1366	<i>Streptococcus massiliensis</i>
1367	<i>Streptococcus merionis</i>
1368	<i>Streptococcus mutans</i>
1369	<i>Streptococcus oligofermentans</i>
1370	<i>Streptococcus orisratti</i>
1371	<i>Streptococcus ovis</i>
1372	<i>Streptococcus parauberis</i>
1373	<i>Streptococcus pasteurianus</i>
1374	<i>Streptococcus phage</i>
1375	<i>Streptococcus plurextorum</i>
1376	<i>Streptococcus prophage</i>
1377	<i>Streptococcus pseudopneumoniae</i>
1378	<i>Streptococcus pyogenes</i>
1379	<i>Streptococcus sobrinus</i>
1380	<i>Streptococcus</i> sp.
1381	<i>Streptococcus suis</i>
1382	<i>Streptococcus thoralensis</i>
1383	<i>Streptococcus tigurinus</i>
1384	<i>Streptococcus uberis</i>
1385	<i>Streptococcus urinalis</i>
1386	<i>Streptococcus vestibularis</i>
1387	<i>Streptomyces auratus</i>
1388	<i>Streptomyces avermitilis</i>
1389	<i>Streptomyces bicolor</i>
1390	<i>Streptomyces bingchenggensis</i>
1391	<i>Streptomyces bottropensis</i>
1392	<i>Streptomyces cattleya</i>
1393	<i>Streptomyces davawensis</i>
1394	<i>Streptomyces globisporus</i>
1395	<i>Streptomyces griseus</i>
1396	<i>Streptomyces halstedii</i>
1397	<i>Streptomyces lavenduligriseus</i>
1398	<i>Streptomyces monomycini</i>
1399	<i>Streptomyces natalensis</i>
1400	<i>Streptomyces pristinaespiralis</i>
1401	<i>Streptomyces prunicolor</i>
1402	<i>Streptomyces rapamycinicus</i>
1403	<i>Streptomyces roseochromogenus</i>
1404	<i>Streptomyces sclerotialis</i>
1405	<i>Streptomyces seoulensis</i>
1406	<i>Streptomyces</i> sp.
1407	<i>Streptomyces varsoviensis</i>
1408	<i>Streptomyces xanthophaeus</i>
1409	<i>Strongylocentrotus purpuratus</i>
1410	<i>Subdoligranulum variabile</i>
1411	<i>Succinispira mobilis</i>
1412	<i>Succinivibrio dextrinosolvens</i>
1413	<i>Succinivibrionaceae bacterium</i>
1414	<i>Sulfurihydrogenibium subterraneum</i>
1415	<i>Sulfurospirillum arcachonense</i>
1416	<i>Sulfurospirillum cavolei</i>
1417	<i>Sus scrofa</i>
1418	<i>Sutterella wadsworthensis</i>
1419	<i>Synechococcus</i> sp.
1420	<i>Syntrophobotulus glycolicus</i>
1421	<i>Taeniopygia guttata</i>

1422	Takifugu rubripes
1423	Tannerella forsythia
1424	Tarsius syrichta
1425	Tatumella ptuseos
1426	Tatumella sp.
1427	Taylorella equigenitalis
1428	Tenacibaculum maritimum
1429	Tenacibaculum ovolyticum
1430	Tenacibaculum sp.
1431	Tepidanaerobacter acetatoxydans
1432	Tepidiphilus margaritifer
1433	Teredinibacter turnerae
1434	Terracoccus sp.
1435	Terriglobus saanensis
1436	Terrimonas ferruginea
1437	Tetragenococcus muriaticus
1438	Tetrahymena thermophila
1439	Tetraleurodes acaciae
1440	Tetrapisispora blattae
1441	Tetrasphaera elongata
1442	Thalassobacillus devorans
1443	Thalassolituus oleivorans
1444	Thauera linaloolentis
1445	Thauera sp.
1446	Thauera terpenica
1447	Theobroma cacao
1448	Thermacetogenium phaeum
1449	Thermaerobacter marianensis
1450	Thermoanaerobacter brockii
1451	Thermoanaerobacter sp.
1452	Thermoanaerobacter wiegelii
1453	Thermoanaerobacterium saccharolyticum
1454	Thermodesulfobacterium geofontis
1455	Thermodesulfovibrio thiophilus
1456	Thermomonas fusca
1457	Thermophagus xiamenensis
1458	Thermosipho melanesiensis
1459	Thermotoga lettingae
1460	Thermotoga thermarum
1461	Thioalkalivibrio sp.
1462	Thioalkalivibrio sulfidophilus
1463	Thiobacillus denitrificans
1464	Thiocystis violascens
1465	Thioflavococcus mobilis
1466	Thiomicrospira pelophila
1467	Thiomonas sp.
1468	Thiothrix disciformis
1469	Tolumonas sp.
1470	Toxoplasma gondii
1471	Tremella mesenterica
1472	Treponema bryantii
1473	Treponema maltophilum
1474	Treponema medium
1475	Treponema pallidum
1476	Treponema pedis
1477	Treponema primitia
1478	Tribolium castaneum
1479	Trichechus manatus

1480	Trichinella spiralis
1481	Trichophyton rubrum
1482	Trypanosoma cruzi
1483	Tupaia chinensis
1484	Turneriella parva
1485	Tursiops truncatus
1486	Uncultured bacterium
1487	Ureibacillus thermosphaericus
1488	Ursus maritimus
1489	Vaccinium witches'-broom
1490	Vanderwaltozyma polyspora
1491	Varibaculum cambriense
1492	Variovorax paradoxus
1493	Verminephrobacter aporrectodeae
1494	Verminephrobacter eiseniae
1495	Verrucomicrobiae bacterium
1496	Verrucosipora maris
1497	Vibrio breoganii
1498	Vibrio cholerae
1499	Vibrio cyclitrophicus
1500	Vibrio fischeri
1501	Vibrio furnissii
1502	Vibrio kanaloae
1503	Vibrio litoralis
1504	Vibrio mimicus
1505	Vibrio parahaemolyticus
1506	Vibrio splendidus
1507	Vibrio tasmaniensis
1508	Vicugna pacos
1509	Vitis vinifera
1510	Vitreoscilla stercoraria
1511	Weeksella virosa
1512	Weissella oryzae
1513	Weissella paramesenteroides
1514	Wigglesworthia glossinidia
1515	Wohlfahrtiimonas chitiniclastica
1516	Xanthomonas axonopodis
1517	Xanthomonas cassavae
1518	Xanthomonas sacchari
1519	Xenopus (Silurana)
1520	Xenorhabdus nematophila
1521	Xiphophorus maculatus
1522	Xylella fastidiosa
1523	Yersinia enterocolitica
1524	Yersinia phage
1525	Zavarzinella formosa
1526	Zea mays
1527	Zobellia galactanivorans
1528	Zunongwangia profunda
1529	Zymophilus raffinosivorans

Table S32 : The number of higher order connectivity nodes for each assembly dataset.

No	Dataset	Number of nodes having:		Percentage of higher order connectivity
		two incoming edges and two outgoing edges	more than two incoming edges and more than two outgoing edges (higher order connectivity)	
1.	Order	2371	17	0.71
2.	Family	4013	15	0.37
3.	Genus	18624	56	0.30
4.	Species	24052	49	0.20
5.	MH0006	250830	10645	4.24
6.	MH0012	170284	7619	4.47
7.	MH0047	29972	669	2.23
8.	SRS017227	463942	7533	1.62
9.	SRS018661	136565	2694	1.97
Average				1.79

The number of nodes having higher order connectivity and the number of nodes having two incoming edges and two outgoing edges are the number of nodes before aligned to the set of reference genomes.