

Table S1. Taxon identification number and project name according to NCBI of 652 organisms harboring denitrification genes. Copy numbers of *nirK*, *nirS*, *nor* and *nosZ* are indicated.

NCBI.TAXON.ID	NCBI.PROJECT.NAME	<i>nirK</i>	<i>nirS</i>	<i>nor</i>	<i>nosZ</i>
477184	Achromobacter arsenitoxydans SY8	1	0	1	1
762376	Achromobacter xylosoxidans A8	1	0	1	1
1003200	Achromobacter xylosoxidans AXX-A	1	0	1	1
562971	Achromobacter xylosoxidans C54	1	0	1	1
351607	Acidothermus cellulolyticus 11B	1	0	0	0
573060	Acidovorax delafieldii 2AN	0	1	2	1
535289	Acidovorax ebreus TPSY	0	1	2	1
999386	Acidovorax radialis N35	0	1	2	1
232721	Acidovorax sp. JS42	0	1	2	1
512030	Acidovorax sp. NO-1	0	0	1	1
591023	Actinobacillus minor 202	1	0	0	0
416269	Actinobacillus pleuropneumoniae L20	1	0	0	0
434271	Actinobacillus pleuropneumoniae serovar 3 str. JL03	1	0	0	0
339671	Actinobacillus succinogenes 130Z	1	0	1	0
696748	Actinobacillus suis H91-0380	1	0	0	0
887324	Actinobacillus ureae ATCC 25976	1	0	0	0
525245	Actinomyces coleocanis DSM 15436	1	0	0	0
1125717	Actinomyces georgiae F0490	1	0	0	0
435830	Actinomyces graevenitzii C83	1	0	0	0
1125718	Actinomyces massiliensis F0489	1	0	1	0
1115803	Actinomyces naeslundii 'Howell 279'	1	0	1	0
411466	Actinomyces odontolyticus ATCC 17982	1	0	0	0
649742	Actinomyces odontolyticus F0309	1	0	0	0
871541	Actinomyces oris K20	1	0	1	0
521393	Actinomyces sp. 7400942	1	0	1	0
762963	Actinomyces sp. oral taxon 170 str. F0386	1	0	1	0
706439	Actinomyces sp. oral taxon 171 str. F0337	1	0	1	0
944560	Actinomyces sp. oral taxon 175 str. F0384	1	0	1	0
888051	Actinomyces sp. oral taxon 178 str. F0338	1	0	0	0
888052	Actinomyces sp. oral taxon 180 str. F0310	1	0	0	0
888056	Actinomyces sp. oral taxon 448 str. F0400	1	0	1	0
649743	Actinomyces sp. oral taxon 848 str. F0332	1	0	0	0
653386	Actinomyces sp. oral taxon 849 str. F0330	1	0	1	0
1118058	Actinomyces sp. ph3	1	0	0	0
1105029	Actinomyces sp. str. ICM39	1	0	0	0
936548	Actinomyces sp. str. ICM47	1	0	0	0
525246	Actinomyces urogenitalis DSM 15434	1	0	0	0
562973	Actinomyces viscosus C505	1	0	1	0
512565	Actinoplanes missouriensis NBRC 102363	1	0	0	0
446462	Actinosynnema mirum DSM 43827	1	0	0	0
746697	Aequorivita sublithicola DSM 14238	1	0	0	1

1208104	<i>Aeromonas media</i> WS	0	0	0	1
1197906	<i>Afipia birgiae</i> 34632	0	0	0	1
883080	<i>Afipia felis</i> ATCC 53690	1	0	0	0
666684	<i>Afipia</i> sp. 1NLS2	3	0	1	1
176299	<i>Agrobacterium tumefaciens</i> str. C58	1	0	1	0
447093	<i>Ajellomyces capsulatus</i> G186AR	1	0	1	0
946394	<i>Ajellomyces dermatitidis</i> ATCC 18187	1	0	1	0
1156919	<i>Alcaligenes faecalis</i> Aunclassified	1	0	1	0
1156918	<i>Alcaligenes faecalis</i> subsp. <i>faecalis</i> NCIB 8687	1	0	1	1
1069631	<i>Alcaligenes</i> sp. HPC1271	1	0	1	1
930169	<i>Alcanivorax dieselolei</i> B5	1	0	1	1
596153	<i>Alicyclophilus denitrificans</i> BC	0	1	1	1
596154	<i>Alicyclophilus denitrificans</i> K601	0	1	1	1
1200791	<i>Alicyclophilus</i> sp. CRZ1	1	1	2	0
1200346	<i>Alicyclobacillus hesperidum</i> URH17-3-68	1	0	0	0
187272	<i>Alkalilimnicola ehrlichei</i> MLHE-1	0	0	1	1
926569	<i>Anaerolinea thermophila</i> UNI-1	0	1	0	0
455488	<i>Anaeromyxobacter dehalogenans</i> 2CP-1	0	0	2	1
290397	<i>Anaeromyxobacter dehalogenans</i> 2CP-C	0	0	3	1
404589	<i>Anaeromyxobacter</i> sp. Fw109-5	0	0	3	1
447217	<i>Anaeromyxobacter</i> sp. K	0	0	3	1
76114	<i>Aromatoleum aromaticum</i> EbN1	0	1	1	1
861360	<i>Arthrobacter arilaitensis</i> Re117 RE117	1	0	0	0
663331	<i>Arthroderma benhamiae</i> CBS 112371	1	0	1	0
535722	<i>Arthroderma gypseum</i> CBS 118893	1	0	1	0
554155	<i>Arthroderma otae</i> CBS 113480	1	0	0	0
332952	<i>Aspergillus flavus</i> NRRL3357	1	0	1	0
330879	<i>Aspergillus fumigatus</i> Af293	2	0	0	0
510516	<i>Aspergillus oryzae</i> RIB40	1	0	1	0
927772	<i>Aspergillus sojae</i> NBRC 4239	1	0	1	0
341663	<i>Aspergillus terreus</i> NIH2624	1	0	1	0
1105030	<i>Atopobium</i> sp. ICM58	1	0	0	0
1184607	<i>Austwickia chelonae</i> NBRC 105200	1	0	1	0
1001584	<i>Avibacterium paragallinarum</i> AVPAR72	1	0	0	0
62928	<i>Azoarcus</i> sp. BH72	0	0	1	1
1003237	<i>Azospirillum amazonense</i> Y2	0	0	0	1
1064539	<i>Azospirillum brasilense</i>	1	0	1	1
862719	<i>Azospirillum lipoferum</i> 4B	1	0	1	1
137722	<i>Azospirillum</i> sp. B510	1	0	1	0
1131731	<i>Bacillus azotoformans</i> LMG 9581	1	0	2	3
1196031	<i>Bacillus oceanisediminis</i> 2691	1	0	0	0
1033734	<i>Bacillus</i> sp. 10403023	1	0	0	0
665959	<i>Bacillus</i> sp. 2_A_57_CT2	1	0	0	0
660997	<i>Bacillus</i> sp. JC63	0	0	0	1
264462	<i>Bdellovibrio bacteriovorus</i> HD100	1	0	1	0
1069642	<i>Bdellovibrio bacteriovorus</i> str. Tiberius	1	0	1	0

232259	<i>Belliella baltica</i> DSM 15883	1	0	0	1
1147128	<i>Bifidobacterium asteroides</i> PRL2011	1	0	0	0
1046627	<i>Bizionia argentinensis</i> JUB59	1	0	1	1
138336	<i>Blastococcus saxosidens</i> DD2	1	0	0	0
340100	<i>Bordetella petrii</i> DSM 12804	0	1	2	1
446465	<i>Brachybacterium faecium</i> DSM 4810	1	0	1	0
1064537	<i>Brachybacterium paraconglomeratum</i> LC44	1	0	0	0
1074488	<i>Brachybacterium squillarum</i> M-6-3	1	0	0	0
1128253	<i>Bradyrhizobium japonicum</i> CCBAU 15354	1	0	1	0
1128255	<i>Bradyrhizobium japonicum</i> CCBAU 15618	1	0	1	0
224911	<i>Bradyrhizobium japonicum</i> USDA 110	1	0	1	1
1037409	<i>Bradyrhizobium japonicum</i> USDA 6	1	0	2	0
1128287	<i>Bradyrhizobium liaoningense</i> CCBAU 05525	1	0	0	0
288000	<i>Bradyrhizobium</i> sp. BTAi1	1	0	1	1
1128179	<i>Bradyrhizobium</i> sp. CCBAU 15615	1	0	1	1
1128180	<i>Bradyrhizobium</i> sp. CCBAU 15635	1	0	1	1
1128178	<i>Bradyrhizobium</i> sp. CCBAU 43298	1	0	1	1
1223566	<i>Bradyrhizobium</i> sp. CCGE-LA001	1	0	1	0
566679	<i>Bradyrhizobium</i> sp. ORS 375	2	0	1	1
114615	<i>Bradyrhizobium</i> sp. ORS278	1	0	1	0
115808	<i>Bradyrhizobium</i> sp. ORS285	1	0	1	1
335659	<i>Bradyrhizobium</i> sp. S23321	1	0	1	0
551936	<i>Bradyrhizobium</i> sp. STM 3809	1	0	1	1
551947	<i>Bradyrhizobium</i> sp. STM 3843	1	0	1	1
319003	<i>Bradyrhizobium</i> sp. WSM1253	1	0	1	0
319017	<i>Bradyrhizobium</i> sp. WSM471	1	0	1	0
1144344	<i>Bradyrhizobium</i> sp. YR681	1	0	0	0
1128326	<i>Bradyrhizobium yuanmingense</i> CCBAU 05623	1	0	1	1
1128327	<i>Bradyrhizobium yuanmingense</i> CCBAU 25021	1	0	1	0
391600	<i>Brevundimonas</i> sp. BAL3	1	0	0	0
1104320	<i>Brucella abortus</i> A13334	1	0	1	1
483179	<i>Brucella canis</i> ATCC 23365	1	0	1	1
595497	<i>Brucella ceti</i> str. Cudo	1	0	1	1
1148757	<i>Brucella melitensis</i> S66	1	0	1	1
568815	<i>Brucella microti</i> CCM 4915	1	0	1	1
520456	<i>Brucella neotomae</i> 5K33	0	0	1	1
444178	<i>Brucella ovis</i> ATCC 25840	1	0	1	1
520461	<i>Brucella pinnipedialis</i> B2/94	1	0	1	1
520449	<i>Brucella</i> sp. 83/13	1	0	1	1
470735	<i>Brucella</i> sp. BO1	1	0	1	1
204722	<i>Brucella suis</i> 1330	1	0	1	1
520488	<i>Brucella suis</i> bv. 4 str. 40	1	0	1	1
243160	<i>Burkholderia mallei</i> ATCC 23344	2	0	2	1
412022	<i>Burkholderia mallei</i> NCTC 10229	2	0	2	0
441162	<i>Burkholderia oklahomensis</i> C6786	1	0	1	0
441163	<i>Burkholderia oklahomensis</i> EO147	1	0	1	0

884204	<i>Burkholderia pseudomallei</i> 1026b	2	0	2	1
1086032	<i>Burkholderia pseudomallei</i> 1258a	1	0	1	1
441155	<i>Burkholderia pseudomallei</i> B7210	2	0	2	1
271848	<i>Burkholderia thailandensis</i> E264	2	0	2	1
441157	<i>Burkholderia thailandensis</i> MSMB43	1	0	1	0
864051	Burkholderiales bacterium JOSHI_001	0	1	1	0
986075	<i>Caldalkalibacillus thermarum</i> TA2.A1	1	0	0	0
926550	<i>Caldilinea aerophila</i> DSM 14535 = NBRC 104270	0	0	0	1
360104	<i>Campylobacter concisus</i> 13826	0	0	1	1
360105	<i>Campylobacter curvus</i> 525.92	0	0	1	1
360106	<i>Campylobacter fetus</i> subsp. <i>fetus</i> 82-40	0	0	0	1
983328	<i>Campylobacter fetus</i> subsp. <i>venerealis</i> str. NCTC 10354	0	0	0	1
553220	<i>Campylobacter gracilis</i> RM3268	0	0	1	1
553218	<i>Campylobacter rectus</i> RM3267	0	0	0	1
1244083	<i>Campylobacter showae</i> CSUNSWCD	0	0	1	1
553219	<i>Campylobacter showae</i> RM3277	0	0	1	1
665939	<i>Campylobacter</i> sp. 10_1_50	0	0	1	1
522306	Candidatus <i>Accumulibacter phosphatis</i> clade IIA str. UW-1	0	1	1	1
671143	Candidatus <i>Methylomirabilis oxyfera</i>	0	1	3	0
1231054	Candidatus <i>Microthrix parvicella</i> Bio17-1	1	0	0	0
886738	Candidatus <i>Nitrosoarchaeum limnia</i> SFB1	1	0	0	0
1229908	Candidatus <i>Nitrosopumilus koreensis</i> AR1	1	0	0	0
1229909	Candidatus <i>Nitrosopumilus</i> sp. AR2	1	0	0	0
859192	Candidatus <i>Nitrosopumilus</i> sp. BG20	1	0	0	0
497727	Candidatus <i>Nitrososphaera gargensis</i> Ga9.2	2	0	0	0
330214	Candidatus <i>Nitrospira defluvii</i>	2	0	0	0
553178	<i>Capnocytophaga gingivalis</i> ATCC 33624	1	0	0	1
936370	<i>Capnocytophaga</i> sp. CM59	1	0	1	1
706436	<i>Capnocytophaga</i> sp. oral taxon 329 str. F0087	1	0	1	0
888059	<i>Capnocytophaga</i> sp. oral taxon 338 str. F0234	1	0	0	1
553177	<i>Capnocytophaga sputigena</i> ATCC 33612	1	0	1	0
638300	<i>Cardiobacterium hominis</i> ATCC 15826	1	0	1	1
797473	<i>Cardiobacterium valvarum</i> F0432	1	0	1	1
509190	<i>Caulobacter segnis</i> ATCC 21756	1	0	1	0
1225176	<i>Cecembia lonarensis</i> LW9	1	0	2	1
1208323	<i>Celeribacter baekdonensis</i> B30	1	0	1	1
590998	<i>Cellulomonas fimi</i> ATCC 484	1	0	0	0
446466	<i>Cellulomonas flavigena</i> DSM 20109	1	0	0	0
688270	<i>Cellulophaga algicola</i> DSM 14237	0	0	1	1
593907	<i>Cellvibrio gilvus</i> ATCC 13127	1	0	0	0
306901	<i>Chaetomium globosum</i> CBS 148.51	1	0	1	0
759272	<i>Chaetomium thermophilum</i> var. <i>thermophilum</i> DSM 1495	1	0	1	0
1211115	<i>Chelatococcus</i> sp. GW1	1	0	1	1
326427	<i>Chloroflexus aggregans</i> DSM 9485	1	0	0	0
324602	<i>Chloroflexus aurantiacus</i> J-10-fl	1	0	0	0
480224	<i>Chloroflexus</i> sp. Y-400-fl	1	0	0	0

243365	<i>Chromobacterium violaceum</i> ATCC 12472	1	0	1	0
525257	<i>Chryseobacterium gleum</i> ATCC 35910	1	0	1	0
497964	<i>Chthoniobacter flavus</i> Ellin428	1	0	0	0
766499	<i>Citricella</i> sp. 357	0	0	0	1
396776	<i>Coccidioides immitis</i> H538.4	1	0	0	0
469472	<i>Coccidioides posadasii</i> CPA 0001	1	0	0	0
490068	<i>Coccidioides posadasii</i> CPA 0020	1	0	0	0
490066	<i>Coccidioides posadasii</i> RMSCC 1038	1	0	0	0
443226	<i>Coccidioides posadasii</i> str. Silveira	1	0	0	0
167879	<i>Colwellia psychrerythraea</i> 34H	0	1	1	1
525260	<i>Corynebacterium accolens</i> ATCC 49725	1	0	1	0
548476	<i>Corynebacterium aurimucosum</i> ATCC 700975	1	0	0	0
698966	<i>Corynebacterium diphtheriae</i> 241	1	0	1	0
196164	<i>Corynebacterium efficiens</i> YS-314	1	0	0	0
645127	<i>Corynebacterium kroppenstedtii</i> DSM 44385	1	0	0	0
525264	<i>Corynebacterium pseudogenitalium</i> ATCC 33035	1	0	0	0
1074485	<i>Corynebacterium pseudotuberculosis</i> 316	1	0	1	0
1087453	<i>Corynebacterium pseudotuberculosis</i> 42/02-A	1	0	1	0
525268	<i>Corynebacterium striatum</i> ATCC 6940	1	0	0	0
553206	<i>Corynebacterium tuberculostearicum</i> SK141	1	0	0	0
504474	<i>Corynebacterium urealyticum</i> DSM 7109	1	0	0	0
1200775	<i>Cupriavidus basilensis</i> B-8	0	1	1	1
1217718	<i>Cupriavidus</i> sp. BIS7	0	2	1	0
164546	<i>Cupriavidus taiwanensis</i>	0	1	0	0
159087	<i>Dechloromonas aromatica</i> RCB	0	2	1	2
640081	<i>Dechlorosoma suillum</i> PS	0	2	1	2
522772	<i>Denitrovibrio acetiphilus</i> DSM 12809	0	0	0	1
756499	<i>Desulfitobacterium dehalogenans</i> ATCC 51507	0	0	1	1
871963	<i>Desulfitobacterium dichloroeliminans</i> LMG P-21439	0	0	1	1
537010	<i>Desulfitobacterium hafniense</i> DP7	0	0	1	1
138119	<i>Desulfitobacterium hafniense</i> Y51	0	0	1	1
706587	<i>Desulfomonile tiedjei</i> DSM 6799	0	0	1	1
768704	<i>Desulfosporosinus meridiei</i> DSM 13257	0	0	1	1
768710	<i>Desulfosporosinus youngiae</i> DSM 17734	0	0	1	1
696281	<i>Desulfotomaculum ruminis</i> DSM 2154	0	0	0	1
1077144	<i>Dietzia alimentaria</i> 72	1	0	0	0
910954	<i>Dietzia cinnamea</i> P4	1	0	0	0
398580	<i>Dinoroseobacter shibae</i> DFL 12	0	1	1	1
471854	<i>Dyadobacter fermentans</i> DSM 18053	0	0	0	1
1217721	<i>Dyella japonica</i> A8	1	0	0	0
1049564	endosymbiont of <i>Tevnia jerichonana</i>	0	1	1	1
589924	<i>Ferroglobus placidus</i> DSM 10642	0	0	1	1
531844	Flavobacteriaceae bacterium 3519-10	1	0	0	1
1178825	Flavobacteriaceae bacterium P7-3-5	0	0	0	1
391603	Flavobacteriales bacterium ALC-1	0	0	0	1
1041826	<i>Flavobacterium columnare</i> ATCC 49512	1	0	1	1

376686	<i>Flavobacterium johnsoniae</i> UW101	1	0	1	0
1144313	<i>Flavobacterium</i> sp. CF136	1	0	1	0
1202532	<i>Flavobacterium</i> sp. F52	1	0	1	1
643867	<i>Flexibacter tractuosus</i> DSM 4126	1	0	1	1
1215603	<i>Fusarium fujikuroi</i> B14	1	0	1	0
426428	<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> 4286 FGSC 4286	1	0	2	0
555500	<i>Galbibacter</i> sp. ck-I2-15	1	0	1	0
1005058	<i>Gallibacterium anatis</i> UMN179	1	0	1	0
83406	gamma proteobacterium HdN1	1	1	4	1
379066	<i>Gemmatimonas aurantiaca</i> T-27	1	0	0	1
1234664	<i>Geobacillus caldoxylosilyticus</i> CIC9	1	0	1	1
235909	<i>Geobacillus kaustophilus</i> HTA426	1	0	1	0
495036	<i>Geobacillus</i> sp. G11MC16	1	0	1	1
581103	<i>Geobacillus</i> sp. Y4.1MC1	1	0	1	0
420246	<i>Geobacillus thermodenitrificans</i> NG80-2	1	0	1	1
634956	<i>Geobacillus thermoglucosidasius</i> C56-YS93	1	0	1	0
1136178	<i>Geobacillus thermoglucosidasius</i> GT20	1	0	1	0
334819	<i>Gibberella moniliformis</i> 7600	1	0	2	0
865937	<i>Gillisia limnaea</i> DSM 15749	1	0	0	1
493475	<i>Glaciecola arctica</i> BSs20135	1	0	1	0
411154	<i>Gramella forsetii</i> KT0803	0	0	0	1
1095744	<i>Haemophilus parahaemolyticus</i> HK385	1	0	0	0
888828	<i>Haemophilus parainfluenzae</i> ATCC 33392	1	0	1	0
1095746	<i>Haemophilus parainfluenzae</i> HK2019	1	0	1	0
1095745	<i>Haemophilus parainfluenzae</i> HK262	1	0	1	0
862965	<i>Haemophilus parainfluenzae</i> T3T1	1	0	1	0
1095743	<i>Haemophilus paraphrohaemolyticus</i> HK411	1	0	0	0
128398	<i>Haemophilus pittmaniae</i> HK 85	1	0	0	0
349521	<i>Hahella chejuensis</i> KCTC 2396	0	1	2	1
760192	<i>Haliscomenobacter hydrossis</i> DSM 1100	0	0	1	1
634497	<i>Haloarcula hispanica</i> ATCC 33960	1	0	1	1
272569	<i>Haloarcula marismortui</i> ATCC 43049	1	0	1	1
751944	<i>Halobacterium</i> sp. DL1	0	0	0	1
523841	<i>Haloferax mediterranei</i> ATCC 33500	0	0	1	1
309800	<i>Haloferax volcanii</i> DS2	1	0	1	0
469382	<i>Halogeometricum borinquense</i> DSM 11551	1	0	1	1
485914	<i>Halomicrobium mukohataei</i> DSM 12286	1	0	1	0
590061	<i>Halomonas</i> sp. KM-1	0	1	1	1
756883	halophilic archaeon DL31	0	0	0	1
797210	<i>Halopiger xanaduensis</i> SH-6	2	0	2	1
519442	<i>Halorhabdus utahensis</i> DSM 12940	1	0	0	0
416348	<i>Halorubrum lacusprofundi</i> ATCC 49239	0	0	1	1
543526	<i>Haloterrigena turkmenica</i> DSM 5511	1	0	2	0
864073	<i>Herbaspirillum frisingense</i> GSF30	1	0	1	0
204773	<i>Herminiimonas arsenicoxydans</i>	1	0	2	0
316274	<i>Herpetosiphon aurantiacus</i> ATCC 23779	1	0	0	0

1226784	<i>Histoplasma capsulatum</i> var. <i>capsulatum</i> Tmu	1	0	1	0
608538	<i>Hydrogenobacter thermophilus</i> TK-6	0	1	1	1
670307	<i>Hyphomicrobium denitrificans</i> 1NES1	1	0	1	1
582899	<i>Hyphomicrobium denitrificans</i> ATCC 51888	1	0	1	1
283942	<i>Idiomarina loihiensis</i> L2TR	1	0	1	0
945713	<i>Ignavibacterium album</i> JCM 16511	0	0	0	1
946077	<i>Imtechella halotolerans</i> K1	1	0	1	1
1189612	<i>Indibacter alkaliphilus</i> LW1	1	0	2	0
710696	<i>Intrasporangium calvum</i> DSM 43043	1	0	1	0
471856	<i>Jonesia denitrificans</i> DSM 20603	1	0	0	0
523791	<i>Kangiella koreensis</i> DSM 16069	1	1	1	0
1184609	<i>Kineosphaera limosa</i> NBRC 100340	1	0	1	0
888741	<i>Kingella denitrificans</i> ATCC 33394	1	0	1	1
1188007	<i>Kingella kingae</i> 11220434	1	0	1	1
887327	<i>Kingella kingae</i> ATCC 23330	1	0	1	1
1150867	<i>Kingella kingae</i> PYKK081	1	0	1	1
629741	<i>Kingella oralis</i> ATCC 51147	1	0	1	1
384765	<i>Labrenzia aggregata</i> IAM 12614	0	1	1	1
887898	<i>Lautropia mirabilis</i> ATCC 51599	1	0	1	1
929563	<i>Leptonema illini</i> DSM 21528	0	1	1	1
355278	<i>Leptospira biflexa</i> serovar Patoc strain 'Patoc 1 (Ames)'	1	0	1	1
1049789	<i>Leptospira broomii</i> str. 5399	1	0	0	1
1193011	<i>Leptospira fainei</i> sv. Hurstbridge BUT 6T	1	0	0	1
1049790	<i>Leptospira inadai</i> sv. Lyme 10	0	0	0	1
1049971	<i>Leptospira licerasiae</i> str. MMD4847	0	0	1	1
1193051	<i>Leptospira meyeri</i> sv. Hardjo Went 5	1	0	1	0
1193069	<i>Leptospira wolffii</i> Khorat-H2	0	0	1	1
395495	<i>Leptothrix cholodnii</i> SP-6	0	1	1	1
279714	<i>Lutiella nitroferrum</i> 2002	0	1	1	1
342108	<i>Magnetospirillum magneticum</i> AMB-1	0	2	1	1
272627	<i>Magnetospirillum magnetotacticum</i> MS-1	0	1	0	1
221988	<i>Mannheimia succiniciproducens</i> MBEL55E	1	0	1	0
313603	<i>Maribacter</i> sp. HTCC2170	1	0	1	1
859350	Marine archaeal group 1 strain BD31	1	0	0	0
857392	<i>Marinilabilia</i> sp. AK2	1	0	2	1
351348	<i>Marinobacter aquaeolei</i> VT8	0	1	1	1
1163748	<i>Marinobacter hydrocarbonoclasticus</i> str. ATCC 49840	0	1	2	1
490759	<i>Marinobacter</i> sp. BSs20148	1	0	1	1
270374	<i>Marinobacter</i> sp. ELB17	1	0	1	1
1094979	<i>Marinobacter</i> sp. Mnl7-9	0	0	0	1
314271	<i>Maritimibacter alkaliphilus</i> HTCC2654	1	0	1	1
1191523	<i>Melioribacter roseus</i> P3M	0	0	0	1
1107882	<i>Mesorhizobium alhagi</i> CCNWXJ12-2	2	0	0	0
1082933	<i>Mesorhizobium amorphae</i> CCNWGS0123	1	0	0	0
754035	<i>Mesorhizobium australicum</i> WSM2073	1	0	0	0
765698	<i>Mesorhizobium ciceri</i> biovar <i>biserrulae</i> WSM1271	1	0	0	0

536019	Mesorhizobium opportunistum WSM2075	1	0	0	0
266779	Mesorhizobium sp. BNC1	2	0	0	0
1156937	Methylacidiphilum fumarolicum SolV	2	0	1	0
481448	Methylacidiphilum infernorum V4	1	0	1	0
426117	Methylobacterium sp. 4-46	0	0	0	1
395965	Methylocella silvestris BL2	1	0	1	0
622637	Methylocystis sp. ATCC 49242	1	0	0	0
754476	Methylophaga sp. JAM1	0	0	2	1
754477	Methylophaga sp. JAM7	1	0	0	0
583345	Methylotenera mobilis JLW8	1	0	1	0
1032480	Microlunatus phosphovorus NM-1	1	0	1	0
644283	Micromonospora aurantiaca ATCC 27029	1	0	0	0
648999	Micromonospora sp. L5	1	0	0	0
1089455	Mobilicoccus pelagius NBRC 104925	1	0	1	0
857581	Moraxella catarrhalis 7169	1	0	1	0
1201293	Moritella dasanensis ArB 0140	0	0	0	1
1202962	Moritella marina ATCC 15381	0	0	0	1
58051	Moritella sp. PE36	0	0	0	1
886377	Muricauda ruestringensis DSM 13258	1	0	1	1
1078013	Mycobacterium avium subsp. avium Env 77	1	0	1	0
1122247	Mycobacterium hassiacum DSM 44199	1	0	0	0
1232724	Mycobacterium indicus pranii	1	0	2	0
1138383	Mycobacterium intracellulare MOTT-64	1	0	2	0
875328	Mycobacterium sp. JDM601	1	0	1	0
278137	Mycobacterium sp. Spyr1	1	0	0	0
350058	Mycobacterium vanbaalenii PYR-1	1	0	0	0
1008457	Myroides injenensis M09-0166	1	0	1	1
883150	Myroides odoratimimus CCUG 10230	1	0	1	0
883154	Myroides odoratimimus CIP 101113	1	0	1	1
883155	Myroides odoratimimus CIP 103059	1	0	1	1
929704	Myroides odoratus DSM 2801	1	0	1	1
348780	Natronomonas pharaonis DSM 2160	1	0	0	0
888742	Neisseria bacilliformis ATCC BAA-1200	1	0	1	0
546262	Neisseria cinerea ATCC 14685	1	0	1	1
546263	Neisseria elongata subsp. glycolytica ATCC 29315	1	0	1	0
546264	Neisseria flavescens NRL30031/H210	1	0	1	1
596320	Neisseria flavescens SK114	1	0	1	1
489653	Neisseria lactamica 020-06	1	0	1	1
933280	Neisseria lactamica NS19	1	0	1	1
997348	Neisseria macacae ATCC 33926	1	0	1	1
1069618	Neisseria meningitidis 92045	1	0	1	0
1069616	Neisseria meningitidis 98008	1	0	1	0
630588	Neisseria meningitidis alpha710	1	0	1	0
1123520	Neisseria meningitidis DE9686	1	0	1	0
768485	Neisseria meningitidis K1207	1	0	1	0
122586	Neisseria meningitidis MC58	1	0	1	0

1079752	<i>Neisseria meningitidis</i> Nm3127	1	0	1	0
935589	<i>Neisseria meningitidis</i> NZ-05/33	1	0	1	0
546266	<i>Neisseria mucosa</i> ATCC 25996	1	0	1	1
435832	<i>Neisseria mucosa</i> C102	1	0	1	1
546267	<i>Neisseria polysaccharea</i> ATCC 43768	1	0	1	1
933266	<i>Neisseria sicca</i> 4320	1	0	1	1
547045	<i>Neisseria sicca</i> ATCC 29256	1	0	1	1
665946	<i>Neisseria</i> sp. GT4A_CT1	1	0	1	0
641149	<i>Neisseria</i> sp. oral taxon 014 str. F0314	1	0	1	1
546268	<i>Neisseria subflava</i> NJ9703	1	0	1	1
1051972	<i>Neisseria weaveri</i> ATCC 51223	1	0	1	0
1051985	<i>Neisseria weaveri</i> LMG 5135	1	0	1	0
331117	<i>Neosartorya fischeri</i> NRRL 181	1	0	0	0
929713	<i>Niabella soli</i> DSM 19437	0	0	1	1
700598	<i>Niastella koreensis</i> GR20-10	0	0	0	1
749222	<i>Nitratifractor salsuginis</i> DSM 16511	0	1	1	1
1189611	<i>Nitratireductor aquibiodomus</i> RA22	1	0	0	0
1231190	<i>Nitratireductor indicus</i> C115	0	0	0	1
391937	<i>Nitratireductor pacificus</i> pht-3B	1	0	0	0
387092	<i>Nitratiruptor</i> sp. SB155-2	0	1	1	1
323097	<i>Nitrobacter hamburgensis</i> X14	1	0	0	0
314253	<i>Nitrobacter</i> sp. Nb-311A	1	0	0	0
323098	<i>Nitrobacter winogradskyi</i> Nb-255	1	0	0	0
472759	<i>Nitrosococcus halophilus</i> Nc4	1	0	1	0
314279	<i>Nitrosococcus oceani</i> AFC27	1	0	0	0
323261	<i>Nitrosococcus oceani</i> ATCC 19707	1	0	1	0
105559	<i>Nitrosococcus watsoni</i> C-113	1	0	2	0
228410	<i>Nitrosomonas europaea</i> ATCC 19718	1	0	1	0
335283	<i>Nitrosomonas eutropha</i> C91	1	0	1	0
153948	<i>Nitrosomonas</i> sp. AL212	1	0	1	0
261292	<i>Nitrosomonas</i> sp. Is79A3	1	0	0	0
436308	<i>Nitrosopumilus maritimus</i> SCM1	2	0	0	0
1001994	<i>Nitrosopumilus</i> sp. MY1	1	0	0	0
323848	<i>Nitrospira multiformis</i> ATCC 25196	1	0	1	0
1206733	<i>Nocardia niigatensis</i> NBRC 100131	1	0	1	0
196162	<i>Nocardioides</i> sp. JS614	1	0	0	0
511062	<i>Oceanimonas</i> sp. GK1	1	0	1	0
1231392	<i>Oceaniovalibus guishaninsula</i> JLT2003	1	0	1	1
670487	<i>Oceanithermus profundus</i> DSM 14977	0	1	1	0
439375	<i>Ochrobactrum anthropi</i> ATCC 49188	2	0	1	1
641118	<i>Ochrobactrum intermedium</i> LMG 3301	1	0	1	0
391626	<i>Octadecabacter antarcticus</i> 307	1	0	0	0
1031710	<i>Oligotropha carboxidovorans</i> OM4	2	0	0	0
504832	<i>Oligotropha carboxidovorans</i> OM5	2	0	0	1
278957	<i>Opitutaceae</i> bacterium TAV2	0	0	0	1
794903	<i>Opitutaceae</i> bacterium TAV5	0	0	0	1

452637	<i>Opiritatus terrae</i> PB90-1	1	0	0	1
253245	<i>Owenweeksia hongkongensis</i> DSM 17368	0	0	0	1
621372	<i>Paenibacillus</i> sp. oral taxon 786 str. D14	1	0	0	0
482561	<i>Paracoccidioides brasiliensis</i> Pb03	1	0	1	0
318586	<i>Paracoccus denitrificans</i> PD1222	0	1	1	1
1051075	<i>Paracoccus denitrificans</i> SD1	1	0	1	1
412597	<i>Paracoccus</i> sp. TRP	0	1	1	1
864564	<i>Parascardovia denticolens</i> DSM 10105	1	0	0	0
641144	<i>Parascardovia denticolens</i> F0305	1	0	0	0
1193128	<i>Parascardovia denticolens</i> IPLA 20019	1	0	0	0
402881	<i>Parvibaculum lavamentivorans</i> DS-1	1	0	1	0
1095749	<i>Pasteurella bettyae</i> CCUG 2042	1	0	0	0
1206103	<i>Pedobacter arcticus</i> A12	1	0	0	1
151895	<i>Pedobacter saltans</i> DSM 12145	0	0	0	1
500485	<i>Penicillium chrysogenum</i> Wisconsin 54-1255	1	0	0	0
123214	<i>Persephonella marina</i> EX-H1	0	1	1	1
383629	<i>Phaeobacter gallaeciensis</i> 2.10	1	0	1	0
1002340	<i>Phaeobacter gallaeciensis</i> ANG1	1	0	1	1
391619	<i>Phaeobacter gallaeciensis</i> DSM 17395	1	0	1	0
450851	<i>Phenylobacterium zucineum</i> HLK1	1	0	1	0
1204719	<i>Phocaecicola abscessus</i> CCUG 55929	0	0	0	1
314280	<i>Photobacterium profundum</i> 3TCK	0	0	1	1
298386	<i>Photobacterium profundum</i> SS9	0	0	1	1
247490	planctomycete KSU-1	1	0	0	0
365044	<i>Polaromonas naphthalenivorans</i> CJ2	1	0	1	0
52972	<i>Polaromonas</i> sp. CF318	1	0	0	0
991905	<i>Polymorphum gilvum</i> SL003B-26A1	0	1	1	1
1144253	<i>Pontibacter</i> sp. BAB1700	1	0	1	2
944557	<i>Prevotella denticola</i> CRIS 18C-A	0	0	0	1
28129	<i>Prevotella denticola</i> F0289	0	0	0	1
857291	<i>Prevotella histicola</i> F0411	0	0	0	1
688246	<i>Prevotella multisaccharivorax</i> DSM 17128	0	0	0	1
702438	<i>Prevotella oulorum</i> F0390	0	0	0	1
1171373	<i>Propionibacterium acidipropionici</i> ATCC 4875	1	0	2	0
765117	<i>Propionibacterium acnes</i> HL002PA3	1	0	1	0
765122	<i>Propionibacterium acnes</i> HL037PA1	1	0	1	0
765101	<i>Propionibacterium acnes</i> HL050PA2	1	0	1	0
765084	<i>Propionibacterium acnes</i> HL060PA1	1	0	1	0
765114	<i>Propionibacterium acnes</i> HL063PA2	1	0	1	0
765074	<i>Propionibacterium acnes</i> HL072PA1	1	0	1	0
1051006	<i>Propionibacterium acnes</i> SK182B-JCVI	1	0	1	0
1114966	<i>Propionibacterium acnes</i> TypeIA2 P.acn33	1	0	1	0
997355	<i>Propionibacterium avidum</i> ATCC 25577	1	0	0	0
380773	<i>Propionibacterium freudenreichii</i> subsp. <i>shermanii</i> CIP 103027	1	0	0	0
767029	<i>Propionibacterium propionicum</i> F0230a	1	0	0	0
450748	<i>Propionibacterium</i> sp. 5_U_42AFAA	1	0	1	0

1005703	<i>Propionibacterium</i> sp. CC003-HC2	1	0	1	0
326442	<i>Pseudoalteromonas haloplanktis</i> TAC125	1	0	1	0
748280	<i>Pseudogulbenkiania</i> sp. NH8B	0	1	1	1
1163393	<i>Pseudomonas aeruginosa</i> ATCC 25324	0	1	1	1
1211113	<i>Pseudomonas aeruginosa</i> DQ8	0	1	1	1
557722	<i>Pseudomonas aeruginosa</i> LESB58	0	1	1	1
381754	<i>Pseudomonas aeruginosa</i> PA7	0	2	1	1
509633	<i>Pseudomonas aeruginosa</i> PAb1	0	1	1	1
994484	<i>Pseudomonas brassicacearum</i> subsp. <i>brassicacearum</i> NFM421	0	1	2	2
1037915	<i>Pseudomonas chlororaphis</i> O6	1	0	1	0
1038921	<i>Pseudomonas chlororaphis</i> subsp. <i>aureofaciens</i> 30-84	1	0	0	0
1117110	<i>Pseudomonas chlororaphis</i> subsp. <i>chlororaphis</i> GP72	1	0	1	0
384676	<i>Pseudomonas entomophila</i> L48	1	0	0	0
1117958	<i>Pseudomonas extremaustralis</i> 14-3 substr. 14-3b	0	0	1	1
1231390	<i>Pseudomonas fluorescens</i> BS2	0	1	1	0
1114970	<i>Pseudomonas fluorescens</i> F113	0	1	2	2
1221522	<i>Pseudomonas fluorescens</i> NCIMB 11764	0	1	1	1
564422	<i>Pseudomonas fluorescens</i> NZ17	1	0	0	0
220664	<i>Pseudomonas fluorescens</i> Pf-5	1	0	0	0
1038922	<i>Pseudomonas fluorescens</i> Q2-87	0	1	1	1
1038923	<i>Pseudomonas fluorescens</i> Q8r1-96	0	1	1	1
1007656	<i>Pseudomonas fluorescens</i> Wayne1	2	0	0	0
746360	<i>Pseudomonas fluorescens</i> WH6	0	1	1	0
1147786	<i>Pseudomonas mandelii</i> JR-1	0	2	2	2
1001585	<i>Pseudomonas mendocina</i> NK-01	1	0	1	1
665948	<i>Pseudomonas</i> sp. 2_1_26	0	1	1	1
440512	<i>Pseudomonas</i> sp. Chol1	0	1	2	2
1144323	<i>Pseudomonas</i> sp. GM17	1	0	1	0
1144708	<i>Pseudomonas</i> sp. GM41(2012)	0	1	1	1
1144334	<i>Pseudomonas</i> sp. GM60	0	1	1	1
1144338	<i>Pseudomonas</i> sp. GM79	0	1	1	0
1163398	<i>Pseudomonas</i> sp. HYS	0	1	1	0
1225174	<i>Pseudomonas</i> sp. S5.2	1	0	1	1
1226994	<i>Pseudomonas</i> sp. TX1	1	0	1	0
32042	<i>Pseudomonas stutzeri</i> ATCC 14405 = CCUG 16156	0	1	2	1
96563	<i>Pseudomonas stutzeri</i> ATCC 17588 = LMG 11199	0	1	2	1
1196835	<i>Pseudomonas stutzeri</i> CCUG 29243	1	1	2	1
1123519	<i>Pseudomonas stutzeri</i> DSM 10701	1	1	2	1
996285	<i>Pseudomonas stutzeri</i> DSM 4166	0	1	1	1
1218352	<i>Pseudomonas stutzeri</i> KOS6	0	1	1	1
1109445	<i>Pseudomonas stutzeri</i> SDM-LAC	1	1	2	1
1210443	<i>Pseudomonas stutzeri</i> T13	1	1	2	1
477228	<i>Pseudomonas stutzeri</i> TS44	0	1	2	2
911045	<i>Pseudovibrio</i> sp. FO-BEG1	0	1	2	1
1211114	<i>Pseudoxanthomonas</i> sp. GW2	1	0	1	0
743721	<i>Pseudoxanthomonas suwonensis</i> strain 11-1	1	0	1	0

1002339	<i>Psychrobacter</i> sp. 1501(2011)	1	0	1	0
313595	<i>Psychroflexus torquis</i> ATCC 700755	0	0	0	1
357804	<i>Psychromonas ingrahamii</i> 37	0	0	0	1
1007105	<i>Pusillimonas</i> sp. T7-7	2	0	2	0
178306	<i>Pyrobaculum aerophilum</i> str. IM2	0	1	1	0
340102	<i>Pyrobaculum arsenaticum</i> DSM 13514	0	1	1	0
410359	<i>Pyrobaculum calidifontis</i> JCM 11548	0	1	1	1
1104324	<i>Pyrobaculum</i> sp. 1860	0	1	1	1
381666	<i>Ralstonia eutropha</i> H16	0	1	2	1
264198	<i>Ralstonia eutropha</i> JMP134	0	1	1	0
1042878	<i>Ralstonia eutropha</i> N-1	0	1	1	0
266264	<i>Ralstonia metallidurans</i> CH34	0	2	1	1
428406	<i>Ralstonia pickettii</i> 12D	1	0	1	1
267608	<i>Ralstonia solanacearum</i> GMI1000	1	0	1	1
564065	<i>Ralstonia solanacearum</i> MolK2	1	0	1	0
859657	<i>Ralstonia solanacearum</i> PSI07	1	0	1	0
658080	<i>Ralstonia</i> sp. 5_2_56FAA	1	0	1	1
314283	<i>Reinekea</i> sp. MED297	0	0	0	1
538025	<i>Rhizobium etli</i> 8C-3	1	0	0	0
347834	<i>Rhizobium etli</i> CFN 42	1	0	1	0
526947	<i>Rhizobium etli</i> GR56	1	0	0	0
754764	<i>Rhizobium leguminosarum</i> bv. trifolii WSM597	1	0	1	1
754774	<i>Rhizobium leguminosarum</i> bv. viciae USDA 2370	1	0	1	0
1128399	<i>Rhizobium phaseoli</i> Ch24-10	1	0	1	0
1144312	<i>Rhizobium</i> sp. CF122	1	0	1	0
1144314	<i>Rhizobium</i> sp. CF142	1	0	1	0
394	<i>Rhizobium</i> sp. NGR234	1	0	1	0
1163408	<i>Rhodanobacter fulvus</i> Jip2	3	0	3	1
1162282	<i>Rhodanobacter</i> sp. 115	4	0	2	1
1076650	<i>Rhodanobacter</i> sp. 116-2	2	0	0	1
666685	<i>Rhodanobacter</i> sp. 2APBS1	2	0	3	1
1163407	<i>Rhodanobacter spathiphylli</i> B39	1	0	2	1
1163409	<i>Rhodanobacter thiooxydans</i> LCS2	2	0	3	1
272942	<i>Rhodobacter capsulatus</i> SB1003	0	0	0	1
371731	<i>Rhodobacter</i> sp. SW2	0	1	1	0
349102	<i>Rhodobacter sphaeroides</i> ATCC 17025	1	0	1	1
557760	<i>Rhodobacter sphaeroides</i> KD131	1	0	1	1
992186	<i>Rhodobacter sphaeroides</i> WS8N	0	0	1	1
439496	<i>Rhodobacterales bacterium</i> Y4I	1	0	1	1
450821	<i>Rhodococcus</i> sp. P14	1	0	0	0
338969	<i>Rhodoferax ferrireducens</i> T118	0	0	1	1
316055	<i>Rhodopseudomonas palustris</i> BisA53	1	0	1	1
316056	<i>Rhodopseudomonas palustris</i> BisB18	0	0	0	1
258594	<i>Rhodopseudomonas palustris</i> CGA009	2	0	1	1
652103	<i>Rhodopseudomonas palustris</i> DX-1	1	0	1	1
316058	<i>Rhodopseudomonas palustris</i> HaA2	0	0	0	1

395960	<i>Rhodopseudomonas palustris</i> TIE-1	2	0	1	1
414684	<i>Rhodospirillum centenum</i> SW	0	0	1	1
518766	<i>Rhodothermus marinus</i> DSM 4252	1	1	0	1
762570	<i>Rhodothermus marinus</i> SG0.5JP17-172	1	0	0	1
1187851	<i>Rhodovulum</i> sp. PH10	1	0	0	0
1228997	<i>Riemerella anatipestifer</i> RA-CH-1	0	0	0	1
992406	<i>Riemerella anatipestifer</i> RA-GD	0	0	0	1
313596	<i>Robiginitalea biformata</i> HTCC2501	0	0	0	1
744980	<i>Roseibium</i> sp. TrichSKD4	1	0	0	0
383372	<i>Roseiflexus castenholzii</i> DSM 13941	0	1	0	0
375451	<i>Roseobacter denitrificans</i> OCh 114	0	1	1	1
391595	<i>Roseobacter litoralis</i> Och 149	0	1	1	1
388739	<i>Roseobacter</i> sp. SK209-2-6	1	0	1	1
314264	<i>Roseovarius</i> sp. 217	1	0	1	1
391613	<i>Roseovarius</i> sp. TM1035	0	0	0	1
1125724	<i>Rothia aerea</i> F0474	1	0	1	0
762948	<i>Rothia dentocariosa</i> ATCC 17931	1	0	1	0
563032	<i>Rothia dentocariosa</i> M567	1	0	1	0
680646	<i>Rothia mucilaginosa</i>	1	0	1	0
553201	<i>Rothia mucilaginosa</i> ATCC 25296	1	0	1	0
563033	<i>Rothia mucilaginosa</i> M508	1	0	1	0
987059	<i>Rubrivivax benzoatilyticus</i> JA2	0	1	1	0
1154769	<i>Rubrivivax gelatinosus</i> CBS	0	1	1	1
983917	<i>Rubrivivax gelatinosus</i> IL144	0	1	1	1
246200	<i>Ruegeria pomeroyi</i> DSS-3	0	1	1	1
981384	<i>Ruegeria</i> sp. TW15	0	1	1	1
761193	<i>Runella slithyformis</i> DSM 19594	0	0	0	1
882083	<i>Saccharomonospora marina</i> XMU15	1	0	0	0
309807	<i>Salinibacter ruber</i> DSM 13855	0	0	0	1
146919	<i>Salinibacter ruber</i> M8	0	0	0	1
1033802	<i>Salinisphaera shabanensis</i> E1L3A	1	0	1	1
1095772	<i>Sanguibacter</i> sp. JC301	1	0	0	0
641146	<i>Scardovia inopinata</i> F0304	1	0	0	0
857290	<i>Scardovia wiggisiae</i> F0424	2	0	0	0
1043205	<i>Serinicoccus marinus</i> MCCC 1A05965	1	0	0	0
326297	<i>Shewanella amazonensis</i> SB2B	1	0	1	0
318161	<i>Shewanella denitrificans</i> OS217	1	0	1	1
323850	<i>Shewanella loihica</i> PV-4	1	0	1	1
392500	<i>Shewanella woodyi</i> ATCC 51908	1	0	1	0
580332	<i>Sideroxydans lithotrophicus</i> ES-1	0	1	1	0
644107	<i>Silicibacter lacuscaerulensis</i> ITI-1157	0	1	1	1
644076	<i>Silicibacter</i> sp. TrichCH4B	1	0	1	0
641147	<i>Simonsiella muelleri</i> ATCC 29453	1	0	1	1
1128329	<i>Sinorhizobium fredii</i> CCBAU 05557	1	0	1	0
1128330	<i>Sinorhizobium fredii</i> CCBAU 25509	1	0	1	0
1117943	<i>Sinorhizobium fredii</i> HH103	1	0	1	0

1185652	<i>Sinorhizobium fredii</i> USDA 257	1	0	1	1
366394	<i>Sinorhizobium medicae</i> WSM419	1	0	1	0
266834	<i>Sinorhizobium meliloti</i> 1021	1	0	1	1
794846	<i>Sinorhizobium</i> sp. CCBAU 05631	1	0	1	0
929556	<i>Solitalea canadensis</i> DSM 3403	1	0	1	1
479434	<i>Sphaerobacter thermophilus</i> DSM 20745	1	0	0	1
392499	<i>Sphingomonas wittichii</i> RW1	1	0	2	0
639283	<i>Starkeya novella</i> DSM 506	1	0	1	0
996637	<i>Streptomyces griseoaurantiacus</i> M045	1	0	0	0
1038929	<i>Streptomyces xinghaiensis</i> S187	1	0	1	0
479432	<i>Streptosporangium roseum</i> DSM 43021	1	0	0	0
679936	<i>Sulfobacillus acidophilus</i> DSM 10332	1	0	0	0
1051632	<i>Sulfobacillus acidophilus</i> TPY	1	0	0	0
1163617	<i>Sulfuricella denitrificans</i> skB26	0	2	1	1
563040	<i>Sulfurimonas autotrophica</i> DSM 16294	0	1	2	1
326298	<i>Sulfurimonas denitrificans</i> DSM 1251	0	1	1	2
929558	<i>Sulfurimonas</i> sp. GD1	0	1	1	1
387093	<i>Sulfurovum</i> sp. NBC37-1	0	1	1	1
292459	<i>Symbiobacterium thermophilum</i> IAM 14863	1	0	0	0
1008459	<i>Taylorella asinigenitalis</i> MCE3	1	0	0	0
743973	<i>Taylorella equigenitalis</i> ATCC 35865	1	0	0	0
937774	<i>Taylorella equigenitalis</i> MCE9	1	0	0	0
1123366	<i>Thalassospira xiamenensis</i> M-5 DSM 17429	0	1	1	1
1234381	<i>Thauera aminoaromatica</i> S2	0	1	1	1
1123367	<i>Thauera linaloolentis</i> 47Lol = DSM 12138	0	1	1	2
1234382	<i>Thauera phenylacetica</i> B4P	0	2	1	1
905052	<i>Thauera selenatis</i> AX	0	1	1	1
305700	<i>Thauera</i> sp. 27	0	2	1	1
303682	<i>Thauera</i> sp. 28	0	2	1	1
497321	<i>Thauera</i> sp. 63	0	2	1	1
85643	<i>Thauera</i> sp. MZ1T	0	1	1	1
644966	<i>Thermaerobacter marianensis</i> DSM 12885	1	0	0	0
867903	<i>Thermaerobacter subterraneus</i> DSM 13965	1	0	0	0
525904	<i>Thermobaculum terrenum</i> ATCC BAA-798	1	0	0	0
269800	<i>Thermobifida fusca</i> YX	1	0	0	0
469371	<i>Thermobispora bispora</i> DSM 43833	1	0	0	0
309801	<i>Thermomicrobium roseum</i> DSM 5159	0	0	0	1
751945	<i>Thermus oshimai</i> JL-2	1	1	1	0
743525	<i>Thermus scotoductus</i> SA-01	1	1	1	0
798128	<i>Thermus thermophilus</i> JL-18	0	1	1	0
762633	<i>Thermus thermophilus</i> SG0.5JP17-16	0	1	1	0
396595	<i>Thioalkalivibrio</i> sp. K90mix	2	0	0	0
713587	<i>Thioalkalivibrio thiocyanoxidans</i> ARh 4	0	0	1	1
292415	<i>Thiobacillus denitrificans</i> ATCC 25259	0	1	2	1
768671	<i>Thiocapsa marina</i>	0	0	1	1
559882	<i>Trichophyton equinum</i> CBS127.97	1	0	0	0

34387	<i>Trichophyton tonsurans</i> CBS 112818	1	0	1	0
663202	<i>Trichophyton verrucosum</i> HKI 0517	1	0	1	0
869212	<i>Turneriella parva</i> DSM 21527	1	0	0	0
336963	<i>Uncinocarpus reesii</i> 1704	1	0	1	0
1089683	uncultured marine crenarchaeote 'Gulf of Maine'	3	0	0	0
655186	uncultured SUP05 cluster bacterium	1	0	1	0
675816	<i>Vibrio orientalis</i> CIP 102891	0	0	0	1
1051646	<i>Vibrio tubiashii</i> ATCC 19109	0	0	0	1
866909	<i>Vibrio tubiashii</i> NCIMB 1337	0	0	0	1
1196028	<i>Virgibacillus halodenitrificans</i> 1806	1	0	0	0
273121	<i>Wolinella succinogenes</i> DSM 1740	0	0	0	1
446471	<i>Xylanimonas cellulosilytica</i> DSM 15894	1	0	0	0
63186	<i>Zobellia galactanivorans</i>	0	0	1	1
