

Supplementary Material

Impact of Glyphosate on the Rhizosphere Microbial Communities of An *EPSPS*-Transgenic Soybean Line ZUTS31 by Metagenome Sequencing

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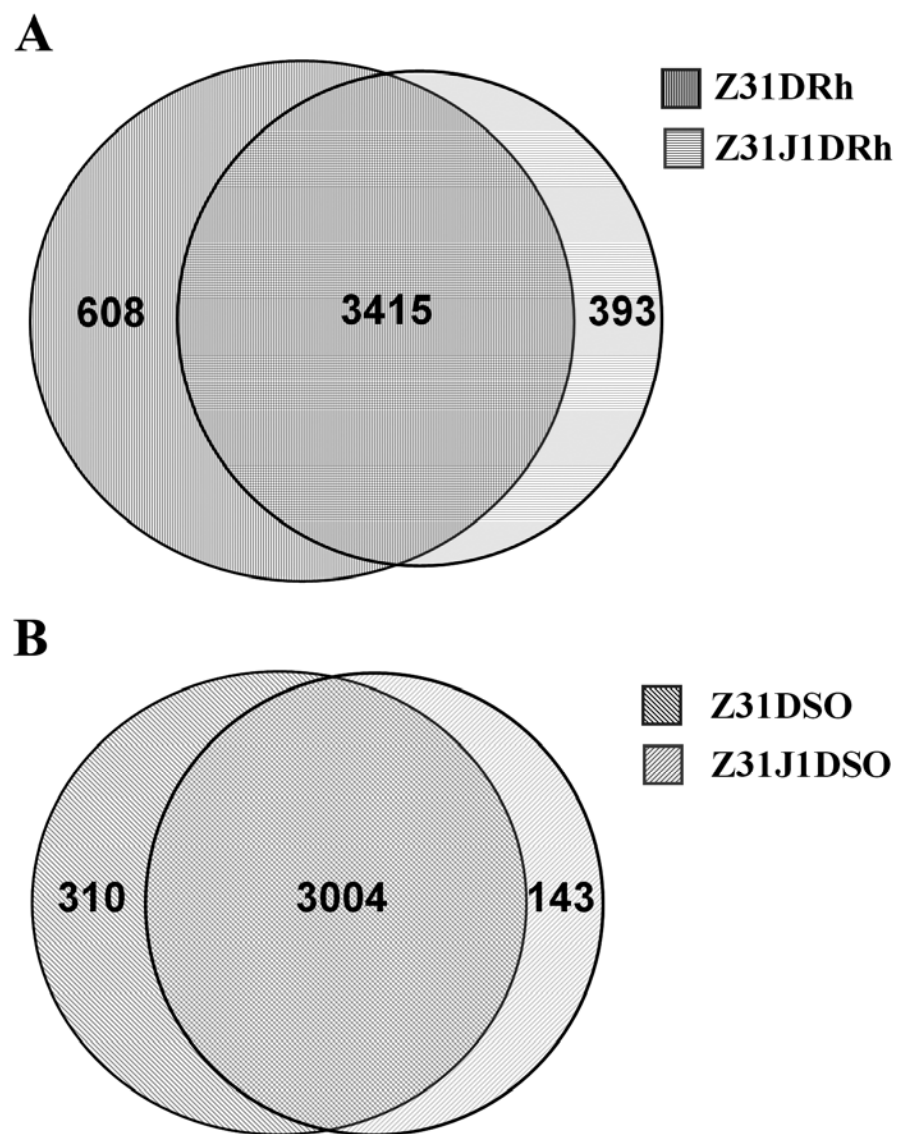


Fig. (S1). Comparison of OTUs presence in the the rhizosphere soil and surrounding soil (16S rDNA amplicon). (A) The circles within horizontal lines and vertical lines represented rhizosphere soils of the glyphosate treated Z31J1 and its control Z31, respectively. (B) The circles within light backslash and dark slash represented surrounding soils of the glyphosate treated Z31J1 and its control Z31, respectively. The overlapping area represented the number of OTUs commonly present in the counterpart groups.

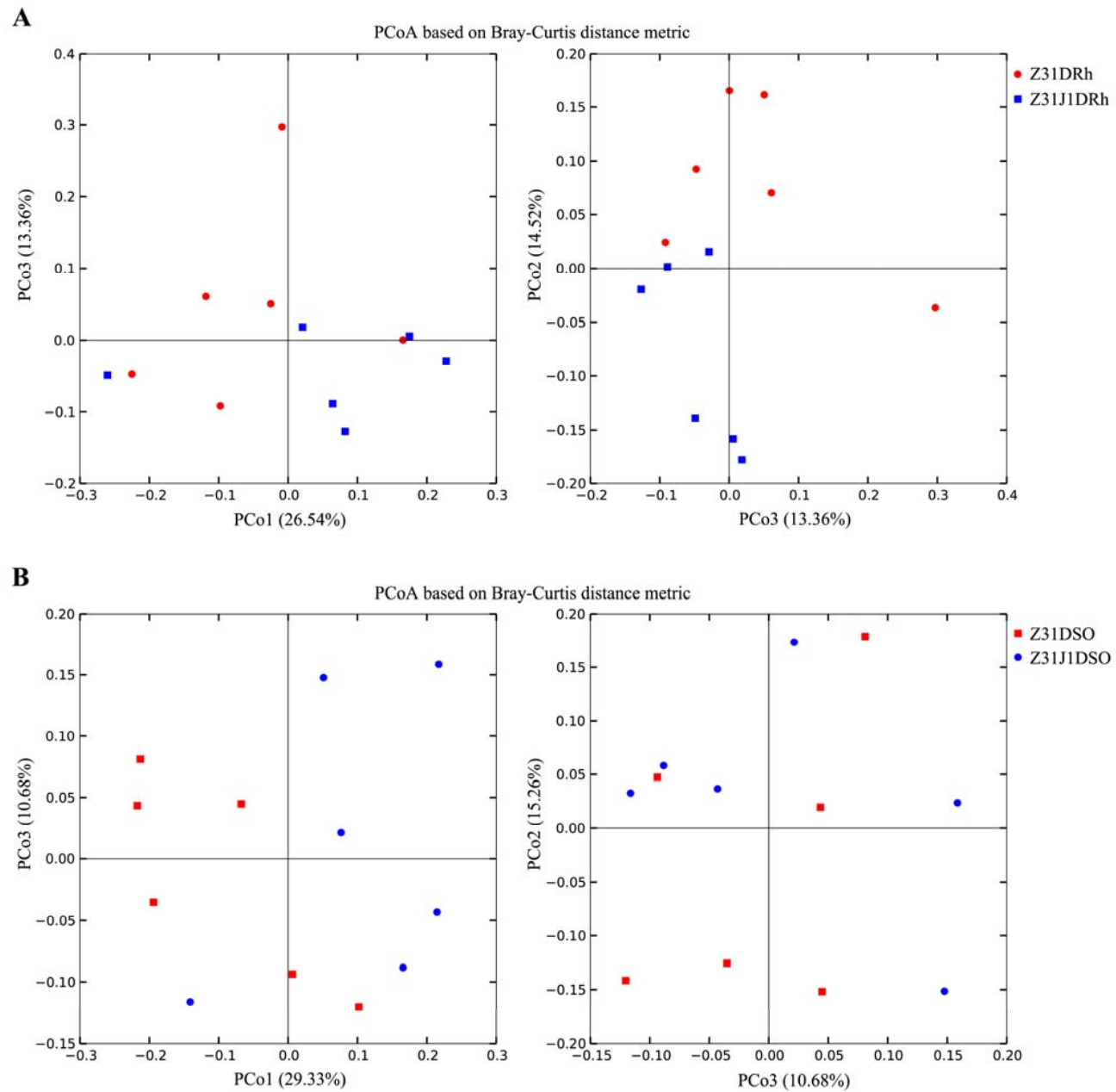


Fig. (S2). PCoA based on Bray-Curtis distance (16S rDNA amplicon). The variance explained by each principal coordinate axis was shown in PCo1 vs. PCo3 and PCo3 vs. PCo2. A), the blue squares and red circles represented rhizosphere soil replicates of the glyphosate treated Z31J1 and its control Z31, respectively. B), the blue circles and the red squares represented surrounding soil replicates of glyphosate treated Z31J1 and its control Z31, respectively.

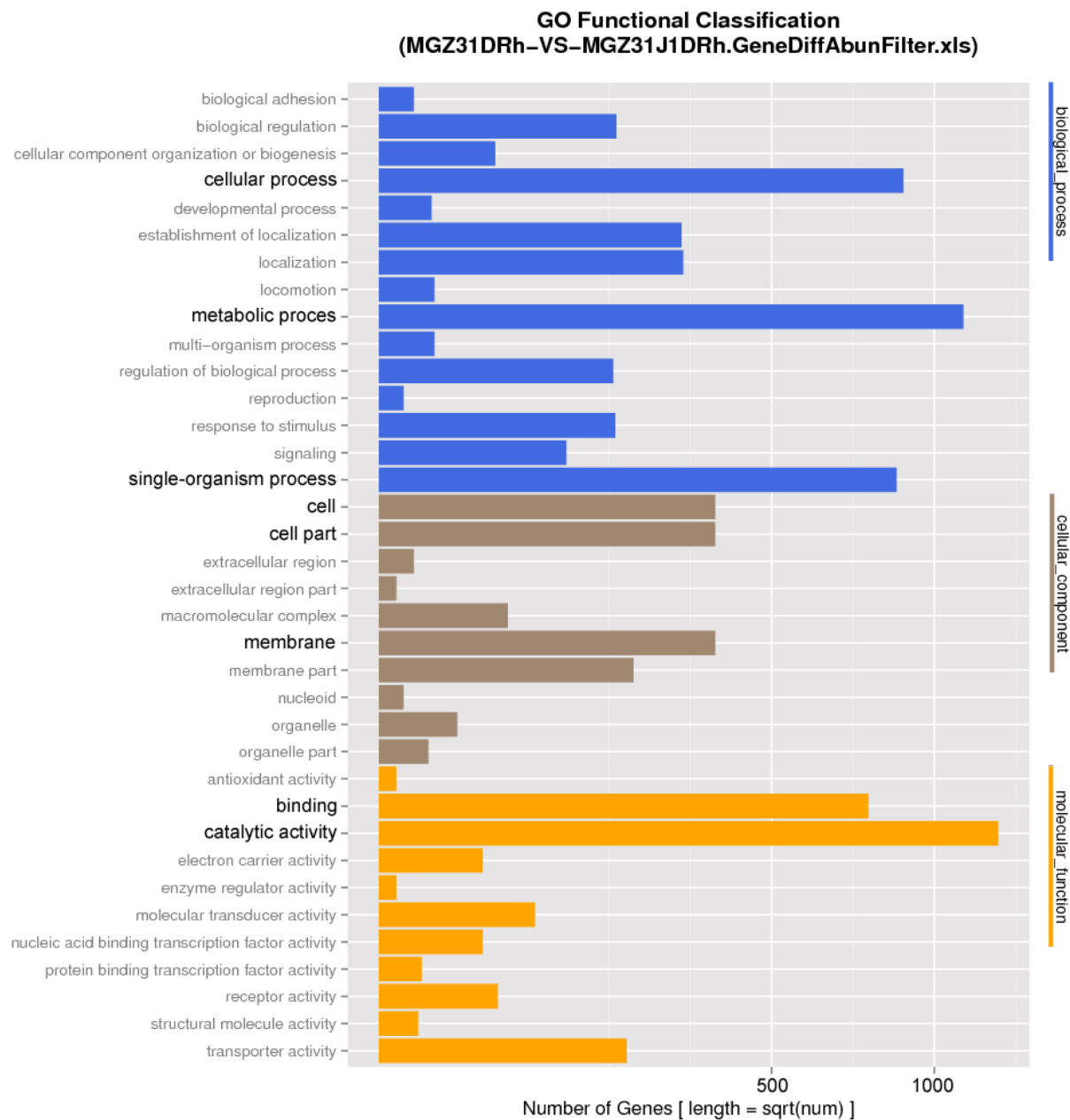


Fig. (S3). GO functional classification for the pairwise of MGZ31DRh VS MGZ31J1DRh (SOAP). X-axis means number of genes with different abundance based on data assembled by SOAPdenovo2. Y-axis represents different GO terms. All GO terms were grouped into three ontologies: the blue, brown and the orange color indicated biological process, cellular component, and molecular function, respectively.

Table S1. Summary of reads, tags and OTUs of rhizosphere soils between glyphosate treated transgenic soybean line Z31 and its control line Z31 in pod-setting stage.

Sample name ¹	Clean data □Mbp□	Clean reads	Total pair reads	Connect tags	Filtered tags at 97% similarity	OTUs
Z31DRh1	30.13	63,081×2	63,081	62,831	46,530	2228
Z31DRh2	30.33	63,540×2	63,540	63,286	45,341	2559
Z31DRh3	27.69	57,961×2	57,961	57,719	43,528	2301
Z31DRh4r ²	59.91	125,335×2	125,335	124,347	96,261	2719
Z31DRh5	28.97	60,644×2	60,644	60,379	44,837	2390
Z31DRh6r ²	61.70	129,173×2	129,173	128,264	97,413	2911
Z31J1DRh1	32.83	68,853×2	68,853	68,423	49,499	2444
Z31J1DRh2	33.42	70,075×2	70,075	69,692	49,248	2376
Z31J1DRh3	32.69	68,509×2	68,509	68,042	49,691	2299
Z31J1DRh4	30.24	63,448×2	63,448	63,069	47,661	2296
Z31J1DRh5	30.96	64,908×2	64,908	64,525	45,544	2646
Z31J1DRh6	27.83	58,338×2	58,338	57,915	44,115	1979

¹ Six biological replicates of rhizosphere soils of glyphosate treated transgenic soybean line Z31 or its control line Z31 are named as Z31J1DRh1~6 or Z31DRh1~6, respectively.

² The “r” in the name of Z31DRh4r and Z31DRh6r indicated that PCR amplification of 16S rDNA and Illumina Miseq sequencing has been done again because the original clean data of Illumina Miseq sequencing from Z31DRh4 and Z31DRh6 metagenomic DNA were not enough.

Table S2. Summary of reads, tags and OTUs of surrounding soils between glyphosate treated transgenic soybean line Z31 and its control line Z31 in pod-setting stage.

Sample name ¹	Clean data (Mbp)	Clean reads	Total pair clean reads	Connect tags	Filtered tags at 97% similarity	OTUs
Z31DSO1r ²	37.02	77,366×2	77,366	76,882	57,330	2412
Z31DSO2	19.45	41,712×2	41,712	41,525	29,994	2127
Z31DSO3	24.64	52,754×2	52,754	51,448	36,591	2258
Z31DSO4	31.85	68,205×2	68,205	67,724	48,680	2395
Z31DSO5	17.94	38,447×2	38,447	38,195	28,069	2096
Z31DSO6	19.92	42,677×2	42,677	42,419	31,723	2055
Z31JDSO1	35.99	76,934×2	76,934	76,041	52,999	2239
Z31JDSO2	21.43	45,847×2	45,847	45,638	33,854	1933
Z31JDSO3	25.12	53,992×2	53,992	53,724	36,602	2119
Z31JDSO4	29.99	64,334×2	64,334	63,969	46,388	2191
Z31JDSO5	31.65	67,970×2	67,970	67,526	46,093	2514
Z31JDSO6	25.23	54,113×2	54,113	53,833	36,800	2028

¹ Six biological replicates of surrounding soils of glyphosate treated transgenic line Z31 or its control line Z31 are named as Z31JDSO1~6 or Z31DSO1~6 , respectively.

² The “r” in the name of Z31DSO1r indicated that PCR amplification of 16S rDNA and Illumina Miseq sequencing has been done again because the original clean data of Illumina Miseq sequencing from Z31DSO1 metagenomic DNA was not enough.

Table S3. OTU_table_for_biom of Z31DRh & Z31J1DRh(16S)

# Construct													
#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4056	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria
Otu4057	0	0	0	2	1	1	0	0	1	0	0	0	Bacteria
Otu4054	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3824	0	0	1	2	0	3	2	1	0	1	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4052	0	4	0	2	2	2	0	3	1	0	0	0	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu4053	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Verruco-5; LD1-PB3
Otu4050	0	1	0	0	1	3	0	0	1	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu4051	0	0	2	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu3822	1	0	0	1	2	0	1	0	2	1	0	1	Bacteria; Bacteroidetes
Otu4058	0	2	0	0	0	1	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu4059	12	69	8	31	23	24	16	16	17	6	34	5	Bacteria; Acidobacteria; iii1-8; DS-18
Otu4055	1	0	1	3	2	0	0	1	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3439	1	0	0	0	0	3	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3438	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu4429	1	0	0	2	0	2	0	1	0	2	0	2	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1219	3	0	0	2	1	15	3	0	2	4	0	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1218	0	0	2	5	0	5	6	4	5	8	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1217	0	1	0	1	0	9	2	0	1	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1216	4	8	2	6	1	20	3	6	3	1	3	4	Bacteria; Armatimonadetes; 0319-6E2
Otu1215	18	14	15	11	17	19	2	0	3	4	10	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1214	0	0	0	0	1	2	0	2	1	1	7	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1213	0	7	0	0	3	4	3	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu1212	14	10	5	19	5	5	21	15	16	14	8	9	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae
Otu1211	3	1	0	0	0	12	0	0	0	0	0	0	Bacteria; Cyanobacteria; Nostocophycidae; Nostocales; Nostocaceae
Otu1210	11	0	0	0	1	0	0	0	1	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bacteriovoraceae
Otu4355	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu4309	0	0	0	0	0	0	0	0	1	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2889	0	0	0	0	1	4	0	0	0	0	0	0	Bacteria; Cyanobacteria
Otu2888	0	0	0	0	0	7	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2887	0	0	0	0	0	0	0	3	1	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2886	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae; Legionella
Otu2885	10	1	3	6	4	11	5	2	3	3	3	3	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2884	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Chloroflexi
Otu2883	0	0	0	0	1	3	0	0	0	1	0	1	Bacteria
Otu2882	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2881	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu2880	0	0	0	0	1	1	2	0	1	2	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu4219	3	0	1	1	0	1	2	0	1	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3664	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu4356	0	0	0	0	0	2	0	0	1	0	0	0	Bacteria
Otu4268	0	0	0	0	2	0	0	0	0	1	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae
Otu3665	0	2	0	2	1	0	0	0	0	0	0	0	Bacteria; OD1; ZB2

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3431	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2799	1	5	2	6	1	4	5	5	2	2	6	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3430	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu2798	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu4353	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria
Otu3418	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu3660	0	0	1	1	1	1	1	2	3	0	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu4352	0	1	0	1	2	1	0	0	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3661	0	0	0	0	2	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3662	0	0	0	0	4	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3663	0	1	1	0	0	3	1	0	0	0	0	0	Bacteria; BRC1; PRR-11
Otu4406	0	0	2	1	0	0	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1329	6	5	4	9	9	10	5	0	2	8	1	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylobacteriaceae
Otu1328	1	3	3	9	1	21	0	1	1	2	4	1	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu1323	0	0	0	0	0	0	0	0	0	0	0	7	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1322	2	0	1	0	0	4	3	9	4	0	3	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu1321	0	5	0	5	0	0	6	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu1320	1	0	0	1	8	6	0	1	2	2	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1327	3	6	1	0	0	0	0	0	8	0	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1326	11	3	6	11	6	20	1	5	6	7	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1325	3	17	6	2	6	2	5	3	8	7	5	8	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu1324	0	0	0	0	0	10	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebophilaceae; SC3-56

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu318	38	24	22	44	33	69	17	45	21	28	47	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu319	14	0	0	1	2	57	1	2	6	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae
Otu2661	4	11	5	6	3	12	20	12	12	7	10	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Geodermatophilaceae
Otu2660	11	41	7	44	37	21	29	8	4	5	13	11	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu2667	0	0	0	1	2	4	1	4	3	0	4	0	Bacteria
Otu2666	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2665	0	5	0	0	0	0	1	0	0	2	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2664	0	0	0	0	1	0	0	0	1	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu310	47	59	70	81	65	92	37	69	36	48	58	9	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae; Opiritus
Otu311	51	30	44	97	21	69	52	69	53	30	37	3	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu312	0	0	6	6	6	68	3	9	9	5	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu313	22	34	51	62	39	58	35	36	22	29	82	36	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu314	27	8	16	34	22	64	38	58	32	34	22	11	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu315	3	0	1	1	2	50	1	0	0	0	0	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu316	9	21	5	16	11	58	8	11	4	6	12	3	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu317	13	7	0	73	0	32	0	9	2	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3093	20	13	13	14	7	27	18	22	29	27	19	10	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu4128	0	2	2	0	0	0	0	0	1	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu4129	1	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3203	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu4127	0	0	0	0	1	0	0	0	0	3	0	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu338	8	5	2	2	5	61	0	1	2	6	2	28	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Cytophaga

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4125	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu4122	0	0	0	0	0	0	0	0	1	0	2	0	Bacteria; Chloroflexi; Ktedonobacteria; TK10
Otu4123	3	3	0	5	0	5	0	0	1	1	5	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu4120	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu4121	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3823	0	0	4	2	1	0	0	0	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu798	0	5	3	6	7	5	6	13	15	6	18	0	Bacteria; OD1; SM2F11
Otu799	2	3	13	3	7	6	10	11	16	15	4	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu3598	0	0	0	0	0	1	0	0	2	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3599	1	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu794	0	0	0	23	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Bacteroidia; Bacteroidales; Bacteroidaceae; Bacteroides; Bacteroides_fragilis
Otu795	13	14	9	6	5	5	9	6	1	12	12	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu796	1	12	3	0	18	15	2	5	2	18	7	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu797	15	16	12	22	6	28	15	22	19	13	16	7	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu791	4	8	5	28	2	18	13	2	0	7	2	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu792	5	7	24	22	6	24	10	19	14	10	6	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu793	8	1	1	13	4	31	15	5	8	8	12	8	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1037	10	5	2	12	10	12	9	9	4	8	10	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1036	0	1	0	1	10	17	8	7	13	2	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1035	3	18	5	8	4	0	2	0	0	0	0	2	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu1034	17	20	3	10	11	27	26	6	30	14	14	5	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Uliginosibacterium
Otu1033	0	10	0	0	1	0	1	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1032	11	14	3	4	5	9	9	0	0	4	7	11	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu558	24	15	2	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu559	22	1	1	22	0	13	15	0	2	0	0	15	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu556	2	3	1	5	5	20	6	10	1	9	1	8	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu557	4	0	2	3	12	24	6	8	4	15	2	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu554	3	0	0	0	1	36	0	0	1	0	2	0	Bacteria; Cyanobacteria; Synechococcophycidae; Pseudanabaenales
Otu555	7	4	9	12	6	34	10	5	19	8	10	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylobacteriaceae; Methylobacterium
Otu552	4	0	0	0	1	33	0	0	0	0	1	0	Bacteria; Cyanobacteria
Otu553	6	18	6	2	12	7	16	9	4	24	17	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu550	2	24	17	10	6	7	17	7	2	6	13	0	Bacteria; Gemmatimonadetes; Gemm-5
Otu551	11	9	12	9	10	12	25	26	8	19	23	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu776	4	20	2	6	5	2	6	1	1	5	11	1	Bacteria; Chloroflexi; TK10
Otu777	9	11	4	21	8	23	7	4	14	3	11	5	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu774	3	5	2	15	4	14	17	7	6	8	9	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu775	2	0	1	3	2	19	6	7	7	6	5	4	Bacteria; Proteobacteria; Alphaproteobacteria
Otu772	17	0	1	1	9	4	0	2	1	0	0	11	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu773	43	62	38	48	29	34	56	22	14	12	50	17	Bacteria; Acidobacteria; iii1-8; 32-20
Otu954	0	0	0	0	0	11	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu955	0	3	6	2	5	1	9	3	11	6	8	1	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu958	3	2	2	4	1	2	9	17	8	2	5	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu959	29	44	28	93	19	49	32	29	49	39	74	12	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu778	0	1	1	0	14	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu779	7	9	8	16	9	16	6	4	9	6	10	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3201	1	3	1	5	3	0	1	0	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3936	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3937	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Acidobacteria; DA052
Otu3048	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3049	0	2	0	0	0	1	1	0	1	2	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu4104	2	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales
Otu3040	0	0	0	0	0	1	4	2	3	2	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3041	2	37	16	23	37	49	18	55	27	13	34	8	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu3042	0	0	0	0	3	0	0	0	0	3	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3043	0	2	0	1	3	0	1	0	0	0	3	0	Bacteria; TM7; SC3
Otu3044	7	33	10	17	13	22	7	16	19	16	14	9	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3045	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu3046	0	0	1	0	0	0	0	0	0	0	2	0	Bacteria; OD1; Mb-NB09
Otu3047	4	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2380	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu2046	3	0	2	1	1	6	1	1	0	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae
Otu1848	2	0	1	1	3	7	2	0	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3175	0	0	1	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1849	0	2	0	1	0	0	1	4	4	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3109	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu3108	1	1	2	1	0	2	0	4	0	0	0	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2381	0	0	0	0	0	0	0	4	6	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3104	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu3107	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3106	0	3	0	0	2	3	3	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3101	0	0	0	0	0	0	1	3	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3100	0	1	0	1	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; OM190; CL500-15
Otu3103	1	1	0	2	0	1	1	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu3102	0	0	0	0	0	2	0	0	0	0	1	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2409	0	3	0	2	1	5	0	1	0	1	1	0	Bacteria; TM6
Otu2048	2	1	3	0	0	6	3	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2403	5	8	0	1	0	4	0	0	0	0	0	2	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu2402	6	3	1	3	2	6	12	2	0	8	4	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2401	0	1	1	2	2	1	0	0	1	1	2	3	Bacteria; Gemmatimonadetes; Gemm-5
Otu2400	1	0	0	3	0	0	0	0	0	3	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu2407	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu2406	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2405	0	1	1	2	0	5	1	0	1	2	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2404	0	0	0	0	0	0	0	4	0	0	0	0	Bacteria; OD1; ZB2
Otu174	40	137	51	118	124	83	190	113	92	105	240	79	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu175	8	1	2	0	2	1	1	0	8	0	3	134	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu176	29	20	43	70	55	160	47	98	65	78	48	47	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu177	2	0	6	43	1	2	1	0	0	0	98	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu170	31	28	29	63	17	127	20	28	47	22	45	10	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu171	63	91	110	120	66	245	76	84	94	35	104	87	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Intrasporangiaceae
Otu172	56	37	15	53	26	119	23	64	30	33	12	27	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu173	43	48	48	105	29	62	82	102	60	43	54	15	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3820	0	0	2	4	1	2	0	3	0	2	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Siphonobacter; Siphonobacter_aquaclarae
Otu178	14	5	119	28	4	17	17	2	12	4	9	126	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu179	7	22	2	23	52	253	34	31	149	16	89	30	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu3981	2	3	1	2	7	1	5	5	2	8	5	1	Bacteria; Bacteroidetes
Otu1693	3	1	0	2	3	1	2	2	1	5	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1692	0	8	5	10	4	8	4	0	3	1	5	2	Bacteria; Armatimonadetes; 0319-6E2
Otu1691	9	4	1	8	2	4	2	6	6	4	8	7	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Erythrobacteraceae
Otu1690	3	4	1	6	3	4	4	3	0	1	6	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1697	0	6	0	2	0	3	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu1696	0	3	1	1	1	4	8	2	5	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu1695	0	2	7	4	2	6	5	9	5	6	3	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1694	0	0	0	0	4	0	1	0	2	0	1	0	Bacteria; OD1; ZB2
Otu1846	2	2	0	2	1	1	2	3	4	4	0	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1699	1	6	1	2	0	7	0	0	4	1	2	2	Bacteria; Chloroflexi; Ktedonobacteria
Otu1698	0	4	2	0	0	6	3	1	0	0	4	0	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu1847	0	2	0	3	0	0	6	5	3	0	2	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1513	8	0	2	2	9	3	0	0	5	1	0	1	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales
Otu4241	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2128	0	4	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae
Otu4215	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2129	0	2	3	5	2	3	3	7	0	2	3	1	Bacteria; Gemmatimonadetes; Gemm-2
Otu2317	0	0	0	1	0	0	0	3	0	0	0	0	Bacteria; OP11; OP11-3
Otu2316	0	4	2	2	6	3	4	4	2	0	3	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2315	0	0	0	1	0	0	0	0	1	0	4	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu2314	28	0	1	5	1	58	2	4	6	0	0	0	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu2313	0	0	0	5	2	0	0	0	0	0	0	0	Bacteria; Chloroflexi
Otu2312	3	4	0	0	1	0	2	1	0	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2311	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu2310	1	0	0	0	2	3	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3211	0	0	1	4	1	4	2	0	2	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3210	1	2	0	0	1	0	0	1	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3213	0	1	0	2	0	0	0	0	0	0	6	0	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu3212	0	0	0	3	0	0	1	1	2	1	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3215	1	0	0	1	3	5	0	2	0	0	0	1	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu3214	1	11	1	0	0	0	0	1	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu2319	0	0	1	3	0	3	1	3	2	1	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Mycobacteriaceae; Mycobacterium; Mycobacterium_celatum
Otu2318	0	0	0	3	3	6	0	0	0	0	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2124	1	10	1	0	1	0	2	1	1	2	1	1	Bacteria; Gemmatimonadetes; Gemm-1
Otu2125	0	3	0	1	0	0	0	0	0	2	0	0	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu2388	0	2	1	1	4	0	0	0	0	0	2	0	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2389	0	1	0	0	0	4	0	0	0	0	1	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; C111
Otu4332	0	0	0	0	1	2	0	1	0	0	0	0	Bacteria; Acidobacteria; DA052; Ellin6513
Otu2289	0	0	2	3	3	2	7	2	4	4	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3749	0	0	3	1	1	3	0	0	2	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1515	0	5	1	3	2	3	1	3	2	2	3	1	Bacteria
Otu2288	2	0	0	4	1	8	2	2	5	5	0	6	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu4438	0	0	0	0	0	0	0	2	1	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2078	24	2	5	50	3	9	0	1	2	0	0	17	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu2079	0	0	0	0	0	0	5	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micrococcales; Rothia; Rothia_mucilaginosus
Otu2072	1	0	4	1	0	3	4	6	7	0	0	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2073	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2070	1	5	0	2	2	3	4	2	0	3	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2071	0	0	1	0	2	0	3	1	3	4	1	2	Bacteria; OD1; SM2F11
Otu2076	0	0	1	3	0	3	0	1	0	4	2	0	Bacteria
Otu2077	2	1	0	0	0	0	0	0	0	6	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2074	0	4	0	0	0	3	0	0	0	0	1	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2075	1	4	0	0	2	0	0	5	0	0	5	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3853	1	0	0	2	1	2	0	0	0	0	1	0	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu3852	0	0	1	0	0	2	0	1	0	1	0	0	Bacteria; OP3; koll11
Otu3851	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu2387	0	1	0	2	0	0	3	0	0	0	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2278	0	5	1	2	0	2	0	1	1	1	2	0	Bacteria; Chloroflexi; Thermomicrobia

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2279	0	1	2	1	0	6	0	0	0	2	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptosporangiaceae
Otu3855	14	40	11	31	36	23	29	8	5	7	23	4	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu3854	1	2	0	3	0	1	0	1	0	0	1	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu2274	0	0	1	4	0	0	0	0	0	2	1	0	Bacteria; Armatimonadetes; SHA-37
Otu2275	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Dorea
Otu2276	8	1	5	4	0	7	3	4	4	8	5	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2277	0	0	0	3	0	0	0	0	0	0	3	0	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu2270	1	5	0	1	1	0	2	0	0	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2271	47	74	49	57	64	110	60	61	53	85	81	36	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2272	3	0	0	0	0	0	1	0	0	3	1	0	Bacteria
Otu2273	0	0	0	0	0	0	0	0	3	3	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu4339	0	2	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3821	0	0	1	0	0	2	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3805	0	0	0	0	0	2	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3012	1	0	2	1	0	1	0	1	0	1	0	1	Bacteria; TM7; TM7-1
Otu4229	0	0	0	0	0	0	0	0	1	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu4069	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu3011	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu4228	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae; Sphingobacterium
Otu2026	4	11	2	3	3	5	4	1	1	1	5	3	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3010	8	43	7	6	27	4	18	11	4	18	17	8	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu3802	0	2	0	0	0	1	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3803	0	0	0	0	2	2	1	0	0	0	0	0	Bacteria; Chloroflexi; TK17; mle1-48
Otu4395	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4068	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu4434	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4164	0	2	1	1	0	0	0	0	1	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3842	0	1	2	0	0	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu61	0	0	0	0	0	0	4	0	0	2	286	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellales; Aquicella
Otu60	209	274	315	497	192	778	359	330	322	301	391	348	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu63	55	48	41	82	40	418	65	64	38	31	31	27	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae
Otu62	393	645	574	640	473	982	698	852	634	643	969	528	Bacteria; Proteobacteria; Betaproteobacteria; Ellin6067
Otu65	178	307	92	276	259	189	202	185	168	286	301	134	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu64	96	19	73	320	33	369	93	78	66	34	8	180	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu67	145	119	128	171	162	443	261	349	225	297	207	122	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu66	43	72	77	149	77	279	110	198	145	78	145	74	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu69	68	128	79	129	76	279	80	156	106	267	63	35	Bacteria; Acidobacteria; iii1-8; DS-18
Otu68	318	68	574	667	93	221	143	54	561	444	221	331	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Cupriavidus
Otu3018	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Prosthecobacter
Otu4223	1	2	1	2	1	0	0	1	0	0	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu4222	0	0	1	1	0	0	0	0	1	1	0	2	Bacteria; TM7; TM7-1
Otu4435	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu4225	0	0	0	0	0	3	0	1	0	0	0	0	Bacteria
Otu3319	0	0	0	0	3	0	0	0	1	0	0	0	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3098	0	0	0	2	1	2	0	0	2	1	4	1	Bacteria; TM7; SC3
Otu4224	2	0	0	0	0	2	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2094	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; OD1; ZB2
Otu2095	0	1	1	2	0	5	2	3	3	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2096	0	0	0	3	2	5	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2097	2	1	0	5	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria
Otu2090	11	12	5	11	7	19	12	15	16	14	10	11	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2091	2	2	0	3	0	3	1	3	0	1	1	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu2092	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2093	0	0	2	1	1	0	0	1	1	0	4	2	Bacteria; OD1; ZB2
Otu4226	2	1	0	1	2	5	2	1	1	2	3	3	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2098	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu2099	2	1	0	0	0	0	0	2	0	4	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu4023	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu4022	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu4021	0	0	0	2	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu4020	1	2	0	0	0	2	1	1	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Beijerinckiaceae
Otu4027	11	14	2	5	6	7	0	5	3	1	0	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu4026	0	2	0	0	0	0	0	0	0	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4025	0	0	2	0	0	0	0	1	0	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu4024	0	1	0	2	1	0	0	0	0	1	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Gracilibacteraceae
Otu4029	0	0	2	3	0	1	1	0	0	1	1	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4028	0	0	0	1	2	0	0	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu2604	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1040	0	0	0	0	1	2	10	0	0	0	1	0	Bacteria
Otu4162	0	0	1	0	0	2	1	3	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1041	0	5	3	2	2	0	1	3	1	18	0	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu197	55	28	33	33	51	109	32	82	97	63	79	53	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu4310	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadales
Otu4437	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; OP11; OP11-4
Otu1208	363	27	17	401	90	581	15	13	33	28	4	13	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu1209	0	0	0	0	11	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Azospirillum; Azospirillum_irakense
Otu1204	6	19	6	38	19	33	17	16	8	9	20	3	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1205	3	2	0	14	3	3	2	0	1	6	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1206	2	15	2	8	4	8	8	3	6	11	7	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu1207	0	2	1	0	4	16	2	1	4	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu1200	3	2	1	14	0	6	0	7	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu1201	4	0	1	1	1	9	1	1	0	3	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1202	0	0	3	4	3	17	1	3	1	1	2	5	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu1203	1	4	2	4	2	2	3	0	3	2	8	0	Bacteria
Otu4163	0	0	0	0	1	0	2	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2898	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu2899	0	1	0	0	0	0	1	0	0	0	2	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2894	0	0	0	0	0	1	0	0	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2895	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2896	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2897	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu2890	1	0	0	2	1	1	0	0	1	0	1	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu1048	5	5	2	8	4	16	3	15	4	3	6	2	Bacteria; Chloroflexi; Ktedonobacteria
Otu2892	0	3	1	0	1	2	0	1	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu2893	0	1	0	2	1	6	4	0	2	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu4430	0	9	0	6	6	26	3	7	10	1	18	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu1049	29	38	43	55	15	32	42	41	34	46	44	9	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu3699	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3698	0	2	0	0	0	0	0	0	0	0	1	0	Bacteria; Elusimicrobia; Endomicrobia
Otu3695	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3694	0	0	1	1	1	3	0	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu3697	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu3696	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu3691	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae
Otu3690	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Simkaniaceae
Otu3693	2	3	4	5	1	0	1	2	0	1	0	0	Bacteria; Bacteroidetes
Otu3692	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1935	0	5	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaeae; Crocinitomix
Otu3191	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria
Otu3459	0	4	0	0	2	0	0	0	0	1	1	0	Bacteria; Gemmatimonadetes; Gemm-1

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3458	77	116	119	274	178	612	189	458	363	266	259	238	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3457	2	5	0	1	2	2	1	0	2	2	1	4	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu3456	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3455	0	0	5	4	2	1	1	2	4	3	2	6	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3454	4	3	0	6	2	11	3	10	10	6	6	3	Bacteria; Planctomycetes; BD7-11
Otu3453	0	0	0	1	0	2	0	2	1	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3452	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3451	0	0	0	0	2	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3450	0	2	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu4161	0	0	2	0	0	0	0	0	0	1	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1338	1	1	1	1	0	9	1	0	3	3	3	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1339	0	3	0	3	10	3	2	2	0	5	9	1	Bacteria; OP3; PBS-25
Otu1330	11	3	8	3	1	17	3	4	1	4	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1331	0	4	0	0	0	11	0	1	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1332	2	1	4	5	1	7	0	0	3	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1333	4	1	5	2	1	4	3	1	2	8	5	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu1334	8	5	5	3	2	2	4	2	1	5	5	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1335	0	2	0	1	0	7	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1336	0	0	0	2	0	0	1	0	6	2	3	0	Bacteria
Otu1337	0	6	8	0	0	3	3	0	0	0	4	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2670	1	1	1	2	0	0	0	1	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2671	2	2	1	0	0	2	1	0	0	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Entotheonellales; Entotheonellaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2672	0	0	1	1	0	2	0	0	0	2	2	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu2673	0	1	0	2	0	2	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2674	0	0	0	0	4	1	0	0	0	0	0	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu2675	1	4	3	1	1	4	1	2	0	2	0	1	Bacteria; Armatimonadetes; OPB50
Otu2676	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu2677	0	0	2	0	0	2	0	0	0	1	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2678	51	146	44	126	47	42	40	22	6	30	37	9	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2679	12	1	10	16	8	21	7	1	5	6	2	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Actinoplanes
Otu4166	0	2	0	0	0	1	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3861	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Chlorobi
Otu4158	1	0	1	0	0	2	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3447	0	0	0	5	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu4153	0	0	0	0	1	0	0	0	1	0	3	0	Bacteria; Firmicutes; Bacilli; Bacillales
Otu4152	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu4151	0	0	0	0	0	2	0	2	0	2	0	1	Bacteria; Verrucomicrobia; Opiritatae; Opiritatales; Opiritataceae; Opiritatus
Otu1939	0	2	0	1	2	4	3	0	1	2	5	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiae; Candidatus_Rhabdochlamydia
Otu4157	0	2	0	0	1	3	1	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu4156	0	1	1	2	2	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu4155	0	2	0	0	0	0	0	0	0	0	1	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae
Otu4154	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu789	9	11	4	12	7	6	9	13	20	8	14	4	Bacteria; Chlorobi
Otu788	27	23	27	25	13	45	17	7	9	13	18	7	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3137	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria
Otu783	20	6	10	8	16	27	7	11	17	17	6	7	Bacteria; BRC1; PRR-11
Otu782	6	17	12	12	4	11	5	10	12	4	12	0	Bacteria; Chloroflexi; C0119
Otu781	0	2	2	7	3	10	12	15	7	3	7	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu780	7	2	1	12	1	14	4	5	3	0	2	6	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu787	1	1	0	2	1	16	0	4	7	0	0	7	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu786	5	7	1	11	5	21	9	4	5	4	12	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu785	7	4	9	7	3	12	7	1	7	7	2	17	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu784	9	12	7	11	9	17	9	2	2	6	12	4	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1024	8	4	0	11	1	11	4	4	4	9	0	1	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu1025	1	2	3	1	5	1	14	9	19	0	1	7	Bacteria
Otu1026	0	0	0	0	2	1	8	0	1	2	14	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1027	6	4	4	7	2	11	19	73	5	9	3	4	Bacteria; TM7; TM7-1
Otu1020	11	22	14	36	6	21	23	3	54	7	3	32	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dokdonella
Otu1021	0	5	1	0	2	7	18	3	2	0	4	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu1022	3	3	0	0	0	1	7	17	2	1	3	4	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu1023	3	12	4	5	3	14	6	6	8	3	4	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu545	22	17	19	24	14	25	19	35	27	26	16	22	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu544	29	51	12	10	14	53	24	9	0	11	18	5	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu547	6	34	6	22	14	25	6	32	18	10	24	9	Bacteria; Chlorobi
Otu546	2	4	1	2	1	0	5	4	0	0	35	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1028	4	2	1	1	3	3	9	15	3	2	0	0	Bacteria; TM7; SC3

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1029	0	0	0	0	1	13	2	0	0	6	1	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu543	3	1	1	5	26	1	1	0	2	1	14	0	Bacteria; ODI; SM2F11
Otu542	27	10	29	25	7	39	16	22	17	12	5	8	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu765	2	8	8	22	1	6	1	5	5	3	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; 0319-6G20
Otu764	12	18	6	6	15	22	12	7	11	6	2	3	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu943	3	8	10	3	1	19	3	5	9	7	10	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu766	0	15	0	0	0	0	1	0	0	0	0	0	Bacteria; TM6; SJA-4
Otu945	3	0	14	5	0	0	0	0	1	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu760	15	15	10	23	13	42	14	23	15	10	6	9	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu947	0	0	2	1	3	0	0	0	1	0	16	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu946	0	0	1	12	3	13	0	1	2	4	0	5	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu949	9	16	4	10	8	10	3	8	3	4	22	3	Bacteria; Proteobacteria; Betaproteobacteria
Otu948	0	0	0	3	3	16	0	0	7	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3274	6	4	3	6	8	10	8	4	5	12	12	6	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu769	0	0	0	0	0	24	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu768	7	21	7	14	17	17	25	0	0	13	16	3	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3075	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu3074	0	0	0	0	1	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3077	0	0	0	1	0	0	0	0	0	0	0	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu3071	12	8	4	4	1	9	3	5	7	1	5	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3070	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3073	0	0	0	1	1	3	0	2	2	1	2	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3072	2	0	0	0	0	1	0	0	0	0	0	0	Bacteria; OP3; koll11; GIF10; kpj58rc
Otu3079	2	0	0	1	1	3	1	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3078	2	1	0	4	0	1	1	1	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3677	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu3676	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3675	0	0	1	1	0	2	0	0	0	0	1	0	Bacteria; BRC1; PRR-11
Otu3278	2	0	0	0	1	0	0	2	3	0	3	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3673	0	0	0	0	0	2	0	0	0	2	0	0	Bacteria; Chloroflexi; C0119
Otu3672	0	0	0	0	0	1	0	2	0	0	0	1	Bacteria; TM6; SJA-4
Otu3671	3	0	0	1	0	4	3	1	1	1	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3670	0	0	1	1	1	1	0	0	1	2	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3679	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; TM7
Otu3678	1	2	0	0	1	1	0	1	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu307	51	46	30	71	41	75	49	44	79	38	54	61	Bacteria; Proteobacteria; Alphaproteobacteria
Otu306	54	102	84	94	42	101	92	63	38	77	116	23	Bacteria; Proteobacteria; Betaproteobacteria
Otu305	14	65	34	46	17	43	35	8	7	52	58	10	Bacteria; Gemmatimonadetes; Gemmatimonadetes; NI423WL
Otu304	18	3	8	41	9	26	0	6	54	1	2	7	Bacteria; Verrucomicrobia
Otu303	89	52	148	107	51	70	20	75	33	13	17	63	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Chthoniobacter
Otu302	2	5	10	52	5	78	3	17	19	8	1	22	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu301	0	0	0	60	0	27	0	0	0	0	0	0	Bacteria; Fusobacteria; Fusobacteriia; Fusobacteriales; Fusobacteriaceae; Cetobacterium; Cetobacterium_somerae
Otu300	5	1	1	0	0	74	0	0	0	0	0	0	Bacteria; Cyanobacteria; Oscillatoriothycidae; Oscillatoriales; Phormidiaceae; Phormidium
Otu2669	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu309	36	99	98	113	33	64	121	146	74	87	68	44	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu308	20	19	9	9	12	19	24	36	24	61	13	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2331	0	0	0	3	0	0	0	0	0	0	4	0	Bacteria; Bacteroidetes; VC2_1_Bac22
Otu2668	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2330	0	0	0	0	0	0	0	1	4	2	1	0	Bacteria; OD1; Mb-NB09
Otu2333	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; PB19
Otu3118	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu2332	0	0	3	5	7	1	0	1	1	0	0	1	Bacteria; TM7; TM7-3
Otu3112	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfovibrionales; Desulfovibrionaceae; Bilophila
Otu2335	0	1	0	0	0	0	0	0	0	0	9	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu3110	0	2	0	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3111	4	2	0	0	0	2	0	0	0	0	5	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3116	0	4	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; S0208
Otu3117	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu3114	1	1	0	0	1	0	0	2	1	0	4	1	Bacteria
Otu2334	0	3	0	0	3	2	0	0	0	0	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2418	3	7	10	1	10	3	11	5	5	3	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2419	0	0	0	4	0	0	0	0	1	0	0	0	Bacteria
Otu2337	1	0	1	4	0	2	1	0	0	2	4	0	Bacteria
Otu3614	0	0	0	0	1	0	0	1	2	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2410	8	1	7	25	8	31	3	4	10	0	2	16	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae
Otu2411	2	0	0	1	2	3	0	0	0	0	0	0	Bacteria; Cyanobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2412	0	2	4	6	4	2	2	11	6	2	5	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2336	2	0	0	0	0	1	1	4	5	1	3	0	Bacteria; ODI; SM2F11
Otu2414	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; Ellin7246
Otu2415	0	3	0	0	3	0	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2416	0	0	1	1	1	4	2	1	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2417	0	7	5	6	12	8	8	5	3	5	13	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu163	121	9	85	84	12	105	29	17	29	29	15	30	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Xanthobacteraceae; Labrys
Otu162	91	200	89	202	127	251	125	222	78	76	151	40	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu161	23	7	14	183	11	67	18	7	67	70	14	63	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu160	13	1	4	106	8	0	6	4	1	4	0	1	Bacteria
Otu167	40	73	61	89	50	107	70	59	66	55	62	35	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu166	73	67	57	141	33	140	103	67	62	107	57	41	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu165	96	80	49	183	51	171	112	84	56	110	72	21	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu164	45	57	43	78	54	130	68	99	58	67	60	21	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3611	0	0	0	0	0	3	2	1	1	0	1	0	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu169	29	23	48	91	12	119	49	43	51	29	29	34	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micrococcaceae; Arthrobacter
Otu168	31	34	46	89	29	146	95	108	86	77	81	36	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu3176	0	0	0	0	1	2	0	1	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3610	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu1680	0	6	2	0	1	10	6	5	6	1	6	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1681	0	2	0	0	0	4	0	5	3	0	2	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1682	0	2	4	0	0	3	2	1	0	3	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1683	1	1	0	0	0	0	8	1	1	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae; Rickettsia
Otu1684	1	8	3	3	2	3	0	0	1	0	0	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu1685	0	1	1	0	0	1	1	0	0	1	6	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1686	1	0	2	1	1	2	0	0	0	4	0	2	Bacteria; Armatimonadetes; SHA-37
Otu1687	0	1	2	0	0	0	4	3	2	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales
Otu1688	4	12	0	0	0	0	1	0	0	0	6	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1689	0	2	1	2	0	6	4	0	7	4	2	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2167	0	0	0	0	1	3	0	1	0	0	0	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3171	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1920	8	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3207	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3204	1	3	1	0	1	0	0	0	0	0	2	0	Bacteria; Bacteroidetes
Otu3205	0	6	2	1	2	3	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3202	1	1	0	2	2	4	0	0	3	3	6	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3172	7	3	17	21	7	23	12	18	9	21	23	12	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu3200	15	0	6	41	45	42	1	5	11	15	5	9	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu2986	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3173	14	16	24	12	11	2	8	2	4	18	9	23	Bacteria; Gemmatimonadetes; Gemm-3
Otu4124	3	0	0	1	0	2	0	0	1	0	0	0	Bacteria; Proteobacteria
Otu3208	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3209	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Gemmatimonadetes; Gemm-3
Otu2304	3	0	3	4	0	3	0	0	0	3	0	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2305	0	0	2	0	6	0	1	0	0	0	1	0	Bacteria; Acidobacteria; Acidobacteria-5
Otu2306	3	1	2	3	4	11	0	1	1	0	1	4	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2307	0	0	0	0	3	0	0	0	0	0	1	0	Bacteria; Acidobacteria; Chloracidobacteria; PK29
Otu2300	0	0	0	0	0	0	1	1	0	3	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2301	0	3	0	1	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2302	0	1	5	4	1	3	4	1	4	2	5	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu2303	4	0	2	6	1	1	3	5	2	3	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3619	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu2308	0	0	0	4	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu2309	0	0	1	1	0	4	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3618	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu4105	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu3219	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu2249	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2248	5	1	0	5	2	0	2	1	0	0	4	9	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3497	4	2	0	0	0	2	1	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3843	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3844	0	0	0	0	0	2	0	0	1	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu3845	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Fusobacteria; Fusobacteriia; Fusobacteriales; Leptotrichiaceae; Leptotrichia
Otu3846	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3847	0	1	0	1	0	4	3	5	3	1	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2241	0	1	2	0	1	0	1	0	0	1	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2240	3	2	0	1	0	1	3	0	1	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2243	0	4	0	3	1	0	5	0	1	1	5	0	Bacteria
Otu2242	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; OD1; ZB2
Otu2245	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2244	0	0	0	0	2	5	0	0	0	2	1	1	Bacteria; OD1; SM2F11
Otu2247	8	13	5	12	2	22	8	2	6	2	12	9	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaceae; Pseudonocardia
Otu2246	4	1	1	0	0	2	2	0	0	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Inquilinus; Inquilinus_limosus
Otu3596	0	0	1	0	0	3	0	0	0	3	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu3597	0	0	0	0	0	3	0	0	2	0	2	0	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacterales; Ktedonobacteraceae; FFCH10602
Otu1506	0	4	0	1	10	6	4	8	2	6	8	0	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu3594	27	80	63	99	66	277	81	135	86	67	109	35	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3867	0	0	0	0	1	2	0	1	0	1	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3595	2	1	0	6	0	2	0	1	0	1	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu3592	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3524	2	0	0	1	0	1	1	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3593	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3739	3	0	0	3	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3591	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; GN02; 3BR-5F
Otu3170	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Candidatus_Glomeribacter
Otu3358	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1031	3	3	2	6	0	3	0	0	0	2	9	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1030	0	8	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu72	21	1	3	14	2	226	4	15	131	0	0	39	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu73	51	54	43	232	250	301	91	295	221	45	146	86	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Frankiaceae
Otu70	3	2	2	25	0	0	51	240	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu71	18	133	24	26	55	55	36	232	46	32	34	12	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu76	1	6	12	105	2	61	10	20	235	2	4	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu77	107	51	103	257	62	242	162	262	128	158	132	77	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter; Candidatus_Koribacter_versatilis
Otu74	46	64	116	83	63	181	49	67	138	46	31	260	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu75	5	0	22	250	0	22	2	4	3	1	2	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1525	4	4	10	7	6	6	2	6	5	4	2	1	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1524	3	7	1	1	2	4	1	1	0	0	6	1	Bacteria; Chloroflexi; TK17; mle1-48
Otu78	19	2	45	219	7	137	40	104	65	29	94	23	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu79	193	479	224	243	247	239	232	216	127	167	255	95	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu1521	0	3	1	0	1	0	1	4	8	0	0	2	Bacteria; TM6; SJA-4
Otu1520	0	0	1	3	1	1	7	0	0	2	1	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1523	26	24	18	17	11	32	31	52	28	16	18	26	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1522	0	1	1	8	0	1	1	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2256	0	2	1	1	1	0	1	0	0	0	3	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2257	0	1	1	2	1	7	0	1	1	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae; Legionella
Otu3218	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1561	0	0	0	0	2	0	0	0	0	2	10	0	Bacteria; OP11; OP11-3
Otu1039	11	5	5	9	6	10	6	6	1	13	7	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4427	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1560	9	0	2	4	5	18	1	1	9	4	2	2	Bacteria; Chlorobi
Otu2159	1	0	0	0	0	0	3	6	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1038	0	1	2	3	4	11	5	3	4	1	11	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1563	68	40	43	121	19	184	69	67	85	67	27	66	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu2158	3	4	1	7	3	2	4	0	1	4	6	9	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2937	29	84	25	30	34	61	40	52	39	65	59	24	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu952	4	5	2	1	5	24	4	12	9	5	6	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2935	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae
Otu1562	8	2	3	0	13	2	1	2	0	6	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae; Sorangium
Otu2933	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu2932	1	0	0	0	0	2	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2931	0	2	0	1	0	0	0	0	2	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu953	12	22	10	9	4	6	13	3	3	10	20	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4038	0	1	0	2	2	0	0	0	0	0	4	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1565	0	5	0	0	1	0	0	0	0	0	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; C114
Otu4367	0	0	0	1	2	1	0	0	1	0	1	0	Bacteria; Chloroflexi; C0119
Otu950	7	7	17	4	1	0	1	0	0	0	18	0	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu2939	0	1	0	1	1	2	1	2	0	2	4	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1564	1	2	3	8	2	10	5	2	5	1	2	4	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu951	3	12	0	9	6	3	6	2	1	1	8	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2448	1	3	0	1	3	3	0	0	0	4	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1567	0	0	0	0	5	0	0	1	0	0	4	0	Bacteria; Proteobacteria; Gammaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4314	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; S035
Otu956	0	7	0	0	1	0	0	12	7	1	0	1	Bacteria; TM6; SJA-4
Otu1566	5	1	2	7	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes; vadinHA49; p04_C01
Otu4392	0	1	0	1	0	0	2	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2157	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu957	4	0	3	3	3	3	0	0	2	1	21	0	Bacteria; Chloroflexi; Chloroflexi; Herpetosiphonales
Otu1239	0	0	1	2	7	13	4	1	0	1	2	1	Bacteria; Acidobacteria; iii1-8; 32-20
Otu1238	2	3	1	6	2	4	3	8	1	3	5	0	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu2156	4	2	0	0	0	0	0	1	3	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu770	14	8	5	10	12	6	1	6	10	5	16	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1231	4	6	5	5	4	7	9	7	1	9	5	2	Bacteria; Acidobacteria; EC1113
Otu1230	2	9	3	2	3	3	3	0	6	2	3	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu1233	5	7	7	4	5	7	13	3	4	7	5	3	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu771	2	1	4	12	1	14	3	6	9	1	13	0	Bacteria; TM7; SC3
Otu1235	4	0	2	5	1	8	1	2	0	6	1	9	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1234	2	3	5	3	1	17	0	1	0	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1237	1	2	2	3	3	22	1	9	5	0	10	3	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1236	1	9	0	8	6	11	3	3	2	1	5	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu893	31	33	16	31	23	51	18	11	15	25	12	21	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu4425	0	0	0	0	0	0	3	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; JH-WHS99
Otu2258	0	1	0	1	1	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu892	2	1	8	17	7	16	1	1	8	7	7	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2259	0	2	1	3	1	8	6	13	4	2	4	4	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu891	10	21	14	8	21	12	12	5	2	14	6	17	Bacteria; Proteobacteria; Gammaproteobacteria; HTCC2188; HTCC2089
Otu4175	0	0	0	3	0	1	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3688	0	5	0	4	2	11	3	2	1	1	10	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu890	1	0	0	3	0	1	3	0	12	0	5	0	Bacteria
Otu4106	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu3682	0	0	0	0	2	0	0	0	0	1	0	0	Bacteria; Chlorobi; SJA-28
Otu897	13	40	22	33	19	23	12	10	11	20	16	11	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3680	13	24	13	11	3	18	16	6	8	17	9	4	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu3681	0	0	2	3	1	0	0	0	0	0	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu3686	0	1	0	2	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu3687	5	22	5	15	9	9	9	3	1	12	2	5	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu3684	0	0	0	2	0	0	2	0	0	2	0	0	Bacteria; Cyanobacteria; ML635J-21
Otu896	6	4	1	16	0	8	4	3	0	0	1	1	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu4383	0	0	0	1	0	0	0	0	0	0	0	2	Bacteria; TM7; SC3
Otu3448	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu671	11	14	7	13	4	15	18	13	14	14	28	9	Bacteria; Chloroflexi; TK10; B07_WMSP1; FFCH4570
Otu3444	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3445	0	0	1	0	2	1	0	0	0	5	0	1	Bacteria; TM7; SC3
Otu3446	0	1	2	0	0	1	0	0	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu894	4	4	4	12	12	21	15	10	5	6	3	10	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu3440	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Armatimonadetes; 0319-6E2

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3441	1	0	0	0	0	2	0	0	1	2	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu3442	0	0	0	0	4	0	0	0	0	0	1	0	Bacteria; TM7; TM7-1
Otu3443	11	4	6	11	5	6	5	2	6	1	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1305	9	2	1	1	5	4	0	0	0	0	2	8	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; Alteromonadaceae; Cellvibrio
Otu1304	11	2	5	3	6	8	2	3	0	0	8	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1307	4	7	3	3	12	8	4	3	1	3	2	7	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1306	7	1	0	5	0	6	0	1	5	1	0	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu1301	2	1	0	7	2	3	4	5	3	3	10	0	Bacteria; WPS-2
Otu1300	0	0	0	10	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1303	0	0	2	2	0	2	1	2	3	5	11	8	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaeae; Candidatus_Rhabdochlamydia
Otu1302	6	6	1	6	5	5	7	0	9	3	11	0	Bacteria; Proteobacteria; Betaproteobacteria; A21b; EB1003
Otu1309	1	3	4	7	12	2	5	3	1	2	5	3	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1308	0	0	1	7	0	0	0	1	2	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4423	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu3875	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3874	0	2	0	0	0	0	2	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetales
Otu4177	1	2	0	0	3	4	0	0	1	0	2	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3877	1	4	2	2	3	0	1	0	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu4373	0	0	0	0	0	4	3	0	0	0	0	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptosporangiaceae; Nonomuraea
Otu3876	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; TM6; SJA-4
Otu2649	2	0	0	1	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu2648	0	4	1	3	1	2	3	2	2	2	1	2	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4372	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu2645	43	8	25	55	31	35	24	9	31	40	13	35	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu2644	0	0	2	0	0	0	2	1	0	1	0	0	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu2647	1	0	0	0	0	0	1	4	0	1	0	0	Bacteria; FBP
Otu2646	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria
Otu2641	0	0	1	1	0	0	2	0	0	2	0	0	Bacteria; Acidobacteria; S035
Otu2640	0	1	0	1	0	3	0	0	2	0	1	0	Bacteria
Otu2643	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Bacteroidetes; Bacteroidia; Bacteroidales; Prevotellaceae; Prevotella; Prevotella_intermedia
Otu2642	0	0	0	0	0	0	1	0	0	1	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu4148	1	1	0	4	1	1	0	0	1	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu4149	0	0	0	0	0	1	0	0	2	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu4279	0	1	0	0	0	0	3	1	0	1	3	0	Bacteria; OD1; SM2F11
Otu3873	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu4140	0	0	2	2	0	0	1	0	0	2	0	0	Bacteria
Otu4141	2	0	0	0	2	2	0	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu4142	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu3300	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu4144	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu4145	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu4146	0	0	0	0	1	1	0	0	1	0	2	0	Bacteria
Otu3416	2	1	0	1	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu4329	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4375	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4421	0	0	0	1	0	2	1	1	1	1	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu4374	27	21	15	9	5	14	3	3	3	7	5	1	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu1011	0	1	0	0	0	0	0	0	1	9	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1010	1	30	7	20	14	12	15	4	1	14	19	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1013	0	4	3	2	1	4	6	4	13	13	1	0	Bacteria; FBP
Otu1012	3	17	7	9	13	8	12	4	2	7	13	3	Bacteria; Proteobacteria; Gammaproteobacteria; Thiotrichales; Piscirickettsiaceae
Otu1015	2	20	7	8	10	6	13	2	3	2	14	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1014	0	0	0	0	0	6	2	9	8	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1017	5	19	7	17	10	6	7	3	6	9	16	3	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu1016	15	7	6	10	9	3	1	13	0	3	10	8	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu570	0	13	2	5	1	7	5	6	12	3	34	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu571	21	30	20	41	11	19	24	7	5	20	43	3	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu572	14	3	15	19	3	31	10	32	15	18	12	14	Bacteria; WPS-2
Otu573	19	12	15	21	4	47	29	14	22	3	7	11	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu574	5	13	3	10	9	37	24	10	3	5	20	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu575	36	31	24	34	30	42	20	13	5	35	29	13	Bacteria; Acidobacteria; Chloracidobacteria; DS-100
Otu576	0	0	6	26	23	17	0	9	7	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu577	8	4	16	26	5	35	15	32	11	8	2	28	Bacteria
Otu750	6	1	3	1	2	1	3	8	4	19	4	1	Bacteria
Otu751	10	20	4	2	9	8	19	10	4	13	20	6	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu752	3	1	2	1	0	3	1	3	18	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu753	36	46	31	56	30	75	33	32	28	53	58	24	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu754	0	0	2	4	1	15	0	0	2	2	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu755	0	3	1	0	2	15	1	0	0	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu756	5	5	12	10	0	19	6	6	5	8	9	4	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu209	67	88	29	102	55	61	65	79	82	73	76	17	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu758	12	47	26	27	22	5	39	41	23	21	24	18	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu759	8	6	14	5	1	3	15	19	7	10	11	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu976	0	3	0	5	0	0	11	4	0	1	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu977	6	21	8	21	16	20	14	10	14	7	13	15	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilmelia
Otu970	2	3	1	3	1	2	3	17	13	12	10	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu971	1	5	1	3	1	0	3	6	0	11	1	4	Bacteria; TM7; SC3
Otu972	6	2	4	7	3	16	3	7	6	1	3	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu201	26	90	47	54	101	244	74	102	90	48	142	34	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu3062	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Cyanobacteria
Otu3063	0	0	0	0	0	0	0	1	3	0	0	0	Bacteria; Bacteroidetes; At12OctB3
Otu3060	0	4	4	1	0	4	4	1	3	0	6	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu3061	0	0	1	2	0	2	0	0	0	3	0	0	Bacteria
Otu3066	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3067	0	3	0	3	0	1	1	0	0	1	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu3064	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3065	1	0	2	0	1	0	2	1	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3068	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptococcaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3069	0	0	0	0	2	1	0	0	0	0	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3789	0	0	0	0	0	5	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu3764	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu682	0	0	0	0	0	17	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Mycoplasmatales; Mycoplasmataceae; Mycoplasma
Otu683	5	5	7	11	1	10	9	22	7	18	8	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu680	7	0	1	23	0	0	0	1	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu681	11	1	10	18	0	21	8	2	12	4	2	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu686	3	14	5	9	22	25	7	3	3	4	21	1	Bacteria; Chloroflexi; Anaerolineae; H39
Otu687	17	4	7	16	0	4	5	9	16	0	8	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu684	5	17	8	9	19	21	28	19	8	8	20	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu685	6	12	11	9	15	36	20	20	10	20	25	5	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu2793	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu2792	0	0	4	0	0	1	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu688	0	1	2	8	5	13	8	17	10	1	5	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu689	18	19	14	34	12	9	14	25	23	24	17	21	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2797	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu2796	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2795	7	6	6	5	9	42	3	21	23	13	18	7	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2794	19	24	16	49	19	18	22	19	22	38	41	5	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu372	17	4	4	5	9	59	16	22	17	2	16	1	Bacteria
Otu373	14	20	11	20	9	47	22	30	20	17	27	20	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu370	7	3	2	9	0	42	1	4	0	2	3	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu371	2	0	1	4	18	49	1	2	1	0	13	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu376	27	39	30	41	47	60	26	26	14	44	68	17	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu377	27	34	29	45	20	89	45	29	23	50	29	35	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu374	53	16	111	109	29	67	23	29	34	38	23	28	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu375	16	28	22	40	18	29	20	28	17	57	43	26	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu378	13	32	31	47	16	83	46	78	70	42	32	29	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu379	73	21	41	109	38	110	49	44	68	86	32	27	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Sediminibacterium
Otu2425	4	0	0	0	0	1	1	1	2	0	3	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2424	0	0	0	2	1	4	0	0	0	0	4	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2427	0	0	0	1	2	23	1	30	14	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2426	0	0	0	0	0	0	3	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2421	1	0	0	0	0	1	0	2	0	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2420	0	2	0	2	2	0	3	2	2	0	5	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu2423	1	3	1	7	0	1	0	0	0	1	1	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2422	1	2	2	0	0	0	0	0	3	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2429	2	3	1	1	0	2	1	1	1	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2428	1	0	0	1	1	4	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2056	1	3	1	4	4	2	5	3	6	3	1	1	Bacteria; Proteobacteria
Otu703	6	38	1	0	2	0	0	1	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4077	2	0	0	0	1	1	0	2	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu3148	0	0	0	0	0	2	0	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu702	5	22	7	12	6	5	8	5	0	8	10	0	Bacteria; Chloroflexi; C0119

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3959	1	0	0	0	0	2	0	1	0	0	0	0	Bacteria; TM7; SC3
Otu4250	2	0	0	0	0	0	0	1	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu701	0	2	0	18	2	1	0	0	0	2	0	2	Bacteria
Otu700	56	10	7	15	31	29	3	8	8	3	12	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu198	13	28	27	34	73	159	23	27	17	12	88	15	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu199	4	93	48	39	79	222	87	133	100	63	127	50	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu196	11	32	17	96	35	92	24	10	13	22	54	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu707	15	9	12	16	6	9	13	5	1	3	1	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu194	21	19	19	30	13	26	32	29	30	19	129	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu195	50	29	72	111	26	133	35	75	83	40	69	53	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu192	30	15	22	59	28	88	12	8	46	7	17	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu193	0	0	5	100	15	28	0	2	10	10	7	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu190	34	2	1	27	104	4	0	0	82	1	3	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu191	34	15	29	27	33	25	66	73	61	106	29	36	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu705	19	1	0	3	5	9	0	0	0	0	0	4	Bacteria; Proteobacteria
Otu704	5	11	4	8	9	4	3	3	7	20	5	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3273	0	0	1	0	0	0	2	0	0	1	0	1	Bacteria
Otu3272	6	0	1	36	1	2	4	2	1	2	7	19	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae; Methylothera; Methylothera_mobilis
Otu3271	0	1	0	2	1	1	1	4	1	0	2	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu3270	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3277	2	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031
Otu3276	5	3	0	0	0	0	2	0	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1839	0	0	0	1	2	1	0	0	0	5	1	0	Bacteria; OD1; ZB2
Otu1838	0	4	2	0	4	1	5	5	2	2	4	0	Bacteria; Proteobacteria
Otu1837	1	5	1	9	7	1	5	0	1	1	12	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu1836	0	2	0	0	0	0	4	8	2	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1835	1	0	0	0	0	4	0	1	1	0	0	2	Bacteria; Acidobacteria; DA052; Ellin6513
Otu1834	1	0	1	6	1	1	2	0	1	1	0	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1833	1	6	4	0	4	4	5	1	0	5	6	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1832	4	0	2	2	1	0	5	0	1	2	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1831	0	0	3	2	0	0	0	0	4	0	4	0	Bacteria; Proteobacteria; TA18; CV90
Otu1830	4	4	0	6	0	3	2	4	3	0	0	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardia; Nocardia; Rhodococcus
Otu996	4	2	4	14	4	11	6	6	14	5	8	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu997	0	1	11	1	4	2	0	0	0	0	8	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu994	6	6	6	15	12	23	16	23	6	4	13	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu995	11	14	6	11	9	10	11	11	8	7	8	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu992	0	0	2	1	12	1	18	10	0	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu993	9	9	5	16	2	6	8	4	6	1	3	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu990	4	5	2	12	6	34	19	13	5	3	5	9	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu991	0	11	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2339	0	0	0	0	0	0	0	0	0	1	4	1	Bacteria; Bacteroidetes; Bacteroidia; Bacteroidales; Prevotellaceae; Prevotella; Prevotella_copri
Otu2338	0	1	2	0	2	0	0	0	0	1	3	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu998	1	0	3	2	1	10	3	4	5	11	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu999	0	2	0	9	2	0	0	0	13	0	0	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1789	0	3	1	0	1	0	0	0	0	0	7	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1788	0	1	1	0	0	5	1	1	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2254	3	4	0	2	0	0	0	0	0	0	1	0	Bacteria; Acidobacteria; S035
Otu2255	0	3	2	2	0	3	0	0	1	1	1	0	Bacteria; TM6; SJA-4
Otu2252	0	0	0	0	0	0	0	0	3	0	3	0	Bacteria; Cyanobacteria; 4Cod-2; MLE1-12
Otu2253	0	0	0	0	0	4	1	1	1	1	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu2250	0	1	1	0	0	0	3	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2251	2	1	1	4	3	3	1	0	0	2	3	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; JG37-AG-70
Otu1781	2	4	1	4	3	13	1	5	0	0	0	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Actinosynnemataceae
Otu1780	0	0	3	7	1	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1783	4	14	8	6	5	16	7	11	7	6	15	9	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu1782	0	2	1	4	2	0	0	0	0	2	1	1	Bacteria; WS3; PRR-12; Sediment-1
Otu1785	1	0	0	0	0	5	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1784	4	0	3	10	0	3	0	1	3	1	0	4	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu1787	0	0	0	0	0	0	0	0	0	0	8	0	Bacteria; OD1
Otu1786	0	0	0	0	1	6	0	3	0	0	5	0	Bacteria; Proteobacteria; TA18; CV90
Otu3879	0	0	1	2	0	2	0	0	0	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3878	0	0	0	0	4	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3309	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3308	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu3307	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3306	2	1	3	3	1	11	5	6	5	4	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3305	0	2	1	2	0	1	0	0	0	3	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3304	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3303	0	1	1	0	0	3	4	1	0	1	2	0	Bacteria; Planctomycetes; BD7-11
Otu3302	1	2	3	2	0	6	1	3	4	1	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae
Otu3301	2	0	0	0	0	1	1	2	0	0	1	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu2481	0	0	0	0	3	0	0	0	1	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3364	0	0	0	1	0	2	0	0	0	2	0	1	Bacteria; TM7; TM7-1
Otu3649	0	1	0	4	2	0	1	0	0	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu3897	0	0	0	0	0	0	5	2	1	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3896	0	0	0	2	1	1	0	0	0	0	0	3	Bacteria; Armatimonadetes; 0319-6E2
Otu3895	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3894	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu3893	0	0	0	2	0	0	0	0	1	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3892	0	1	2	6	0	1	2	1	0	0	1	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu3891	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3890	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Acidobacteria
Otu3899	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3898	0	0	0	0	0	0	4	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pasteurellales; Pasteurellaceae; Aggregatibacter; Aggregatibacter_segis
Otu1657	0	8	4	1	1	6	6	3	2	1	20	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu1656	0	0	0	0	0	5	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu1655	0	4	0	0	0	0	1	1	2	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1654	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; OD1; Mb-NB09

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1653	2	8	3	5	3	3	3	1	0	3	8	2	Bacteria; Armatimonadetes; 0319-6E2
Otu1652	0	3	0	0	0	0	1	0	0	3	6	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1651	0	0	0	0	0	5	0	1	0	2	1	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1650	3	4	3	1	0	5	3	0	3	4	6	3	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1659	5	10	2	8	3	7	8	6	9	8	5	4	Bacteria; Proteobacteria; Betaproteobacteria
Otu1658	52	66	39	109	50	215	55	38	29	32	48	29	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae
Otu2021	0	0	0	0	0	2	3	1	3	0	4	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu3915	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu2020	0	2	1	0	1	1	1	0	0	1	5	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3140	12	5	2	3	8	12	7	3	2	1	2	1	Bacteria; Verrucomicrobia; Opiritutae; Opiritutales; Opiritutaceae; Opiritutus
Otu2023	2	6	0	0	3	0	10	2	0	0	0	0	Bacteria; TM7
Otu3829	0	0	0	2	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2022	0	0	1	2	4	0	1	0	0	3	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2025	2	0	1	0	0	0	2	0	0	0	0	3	Bacteria
Otu2024	0	4	0	0	0	0	2	1	0	2	2	1	Bacteria
Otu3105	2	1	1	1	0	0	2	3	0	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga
Otu1538	1	5	2	5	1	6	3	5	1	4	1	0	Bacteria
Otu1539	2	2	1	2	0	12	2	5	0	1	4	3	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2027	4	0	0	0	0	0	0	0	3	0	0	3	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaeae
Otu49	498	678	548	941	646	823	802	928	688	914	907	285	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu48	189	38	189	89	14	622	323	62	2	54	3	152	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae; Chryseobacterium
Otu47	22	1	2	15	8	465	42	13	0	3	0	6	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu46	214	1118	135	348	229	216	237	59	39	168	201	65	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu45	472	152	465	1199	320	383	427	107	353	617	95	406	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu44	415	200	330	807	138	202	279	51	164	170	37	505	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Cupriavidus
Otu43	123	54	81	647	171	224	35	58	22	86	56	57	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Comamonas
Otu42	233	118	110	297	67	495	138	45	91	201	30	100	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas_wittichii
Otu41	11	8	2	2	9	528	4	3	9	5	4	9	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu40	154	734	109	218	300	130	253	67	33	107	242	61	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu4196	0	0	0	0	2	0	0	0	2	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2924	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria
Otu2925	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; SHA-31
Otu2926	0	0	2	2	2	0	1	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2736	0	0	0	0	1	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2920	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2921	2	0	0	2	0	0	0	1	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2922	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; ML635J-21
Otu2923	12	4	5	69	9	1	0	1	4	1	0	9	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu4005	0	0	0	0	0	0	0	0	0	0	0	3	Bacteria; Proteobacteria; Gammaproteobacteria
Otu4004	35	4	15	32	13	57	0	10	5	0	3	19	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4007	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu3367	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2928	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2929	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4002	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Telmatospirillum
Otu1226	1	9	0	0	9	19	7	10	10	1	10	4	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1227	3	0	0	4	4	9	2	3	3	1	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1224	0	0	0	0	3	0	1	2	0	15	0	3	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1225	1	7	1	2	1	1	1	1	0	3	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu1222	1	2	0	2	0	11	0	3	2	1	0	7	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1223	5	25	6	6	10	13	4	7	6	11	7	1	Bacteria; Acidobacteria; Chloracidobacteria
Otu1220	1	9	6	7	2	0	5	1	2	7	12	3	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Alcaligenaceae
Otu1221	13	10	10	5	7	30	15	26	12	11	10	11	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4190	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria; Armatimonadetes; 0319-6E2
Otu1228	5	4	4	4	6	8	7	1	1	3	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu1229	1	4	5	9	0	3	6	2	0	2	11	0	Bacteria; Proteobacteria; Betaproteobacteria; A21b; UD5
Otu3993	0	1	0	2	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j; NB1-i
Otu3145	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria
Otu4209	0	0	0	1	0	0	2	0	0	0	0	0	Bacteria
Otu4208	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Cyanobacteria
Otu3144	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3479	1	2	0	6	2	6	3	3	1	1	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3478	1	0	0	0	1	0	2	0	1	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4206	0	0	0	0	0	0	2	1	1	0	0	0	Bacteria; OD1; ZB2
Otu3471	0	0	0	0	0	2	0	0	2	0	0	1	Bacteria; Proteobacteria
Otu3470	0	0	0	0	0	2	1	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3473	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3472	0	0	0	0	0	0	1	0	0	2	1	0	Bacteria; OD1; ZB2
Otu3475	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu3474	0	0	0	1	0	1	1	0	0	2	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3477	0	2	0	0	0	0	0	3	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3476	0	2	0	0	0	1	0	2	1	1	2	0	Bacteria; OP3; PBS-25
Otu1312	3	19	7	13	49	44	19	11	8	6	22	7	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu1313	0	5	0	0	2	7	5	5	8	3	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Pedosphaeraceae; Pedosphaera
Otu1310	3	5	2	7	5	9	7	8	10	7	11	4	Bacteria; Planctomycetes; BD7-11
Otu1311	0	0	0	0	0	0	7	0	1	0	0	0	Bacteria
Otu1316	5	2	7	6	6	11	5	16	7	6	3	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1317	0	9	2	9	0	0	0	0	7	0	0	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu1314	4	1	4	8	1	8	5	4	2	12	3	3	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu1315	2	5	1	7	1	10	5	10	9	4	4	3	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; EB1017
Otu4203	23	1	17	58	13	2	39	3	11	6	2	28	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu1318	1	12	15	6	11	2	6	2	3	1	10	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu1319	10	8	14	19	10	34	25	13	16	21	16	9	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Janthinobacterium
Otu4202	1	0	1	3	3	7	5	1	1	0	4	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4201	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu4217	0	0	1	2	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu4200	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Actinobacteria
Otu3612	0	0	1	0	0	3	4	0	2	0	1	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3783	8	38	19	29	37	23	23	16	10	7	22	7	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; DA101
Otu3782	0	0	0	0	1	0	0	0	0	0	2	0	Bacteria; OD1; ZB2
Otu2658	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; OP3; PBS-25
Otu2659	1	0	2	3	0	1	3	1	0	4	0	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3787	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3786	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3785	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3784	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2652	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2653	1	0	2	3	0	0	0	0	1	4	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2650	0	3	0	1	3	3	4	2	0	0	0	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2651	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2656	5	2	14	4	3	4	4	0	6	4	0	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu2657	16	5	6	29	10	28	20	30	29	12	19	14	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2654	0	0	0	0	0	0	2	0	1	1	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebophilaceae; Candidatus_Amoebophilus
Otu2655	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu567	4	2	12	24	0	1	5	4	2	2	1	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu566	1	5	8	37	2	12	10	8	26	6	5	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu565	2	2	5	8	0	36	2	7	11	5	3	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu564	34	14	11	20	13	4	31	15	2	9	11	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu563	11	6	9	29	5	11	1	24	4	8	2	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu562	12	14	3	14	7	16	4	2	1	15	2	23	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu561	3	1	3	3	8	19	3	1	43	0	5	16	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu560	0	13	12	10	8	22	7	15	18	10	9	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu569	13	27	2	21	21	10	12	5	9	10	25	4	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu568	4	6	10	27	14	25	19	17	13	18	11	10	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3480	0	3	0	3	5	7	1	0	0	3	4	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4160	1	0	1	2	2	1	2	1	0	0	0	1	Bacteria; Gemmatimonadetes; Gemm-1
Otu1008	0	0	0	2	0	0	1	6	13	0	0	0	Bacteria; Proteobacteria
Otu1009	5	4	6	5	5	12	5	5	8	15	7	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1006	0	0	1	10	0	1	0	0	0	0	0	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu1007	9	1	2	11	3	19	12	0	4	9	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas_changbaiensis
Otu1004	0	9	0	2	9	0	0	3	0	0	0	1	Bacteria; Proteobacteria
Otu1005	11	21	16	22	24	52	19	43	18	22	22	9	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu1002	1	7	4	5	9	17	11	0	5	0	8	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu1003	0	0	0	0	0	5	0	0	0	1	10	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1000	3	0	10	0	1	3	1	3	9	3	5	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1001	7	2	7	14	2	19	5	8	10	2	9	3	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu4311	0	0	0	0	0	0	2	1	0	0	0	0	Bacteria; OD1; ZB2
Otu969	0	0	0	9	0	0	0	0	0	0	0	0	Bacteria; Fusobacteria; Fusobacteriia; Fusobacteriales; Fusobacteriaceae; Fusobacterium
Otu968	1	12	1	4	11	11	3	3	2	7	12	2	Bacteria
Otu219	34	31	28	41	46	118	16	14	19	26	24	5	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu218	24	0	3	96	101	15	4	4	1	5	0	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu749	1	2	1	8	0	22	2	0	0	3	0	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu748	0	0	1	3	3	16	1	5	1	0	3	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu747	0	8	1	18	0	0	0	0	0	0	2	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu962	1	1	0	12	2	10	0	0	0	0	0	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu745	1	0	2	1	14	5	1	0	1	5	20	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu744	9	4	2	0	1	6	0	20	0	0	2	0	Bacteria; Proteobacteria
Otu967	2	14	1	1	7	9	0	1	11	2	7	3	Bacteria; Planctomycetes; Phycisphaerae
Otu966	4	4	4	2	10	19	7	5	6	11	11	4	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu965	9	1	2	7	5	30	7	6	2	9	6	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Hyphomicrobium
Otu964	6	22	13	11	0	0	10	8	2	6	4	0	Bacteria; TM6; SJA-4
Otu1532	3	0	6	2	5	6	9	7	4	0	2	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu3486	1	1	2	1	2	3	1	1	0	1	1	2	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3099	0	0	0	0	0	0	2	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; 211ds20
Otu1533	17	29	28	38	19	67	29	45	28	14	41	12	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu3097	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3096	0	6	0	0	1	3	0	0	3	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu3095	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu1180	12	10	5	8	5	9	4	3	1	5	8	0	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae
Otu2055	0	2	0	0	1	1	0	1	0	0	0	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1530	3	8	1	0	1	5	6	5	2	8	2	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3091	0	0	0	0	0	0	1	0	0	0	0	2	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu3090	0	0	0	0	0	0	0	4	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu691	7	23	15	12	14	9	10	11	14	9	10	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu690	47	9	10	20	56	196	11	7	20	20	15	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu693	2	20	2	14	4	12	2	5	7	3	28	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales
Otu692	16	9	14	21	4	9	15	16	20	23	21	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu695	4	1	0	0	0	4	0	0	21	0	0	7	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaeae; Fluvicola
Otu694	0	0	0	0	0	0	0	0	0	22	3	1	Bacteria; Proteobacteria; Betaproteobacteria; Hydrogenophilales; Hydrogenophilaceae; Thiobacillus
Otu697	4	1	6	8	2	23	3	4	3	2	6	16	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micrococcaceae; Sinomonas
Otu696	7	4	9	21	2	9	5	3	5	6	5	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu699	11	1	2	5	9	21	28	22	8	7	5	6	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu698	14	2	1	1	2	17	0	1	0	2	7	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2782	0	2	0	0	0	1	0	0	0	2	3	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2783	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria
Otu2784	8	8	22	10	11	8	17	17	17	5	15	5	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2785	0	0	0	1	0	4	2	4	3	4	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2786	0	0	0	0	2	4	2	1	0	3	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu1537	0	4	0	2	0	0	1	0	0	5	3	0	Bacteria; Chloroflexi; C0119
Otu361	15	13	9	24	6	52	12	16	12	6	11	5	Bacteria; Armatimonadetes; 0319-6E2
Otu360	20	6	15	37	17	44	5	7	5	7	8	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu363	30	57	28	34	22	71	59	53	23	23	11	16	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu362	42	77	40	37	21	32	42	22	23	53	76	21	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu365	31	6	24	77	13	27	26	7	24	8	4	21	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu364	16	32	22	17	19	61	31	45	44	26	23	19	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu367	29	51	43	79	62	94	66	47	34	95	59	21	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu366	12	15	15	24	16	53	30	40	25	22	9	15	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu369	3	4	1	52	2	11	4	9	3	1	1	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu368	22	22	8	6	15	6	3	12	45	3	57	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1535	2	2	0	1	5	3	2	0	5	0	3	8	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1344	1	1	1	4	3	14	1	7	4	7	4	4	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu2432	2	6	4	2	2	0	2	0	0	4	2	0	Bacteria; Acidobacteria; Acidobacteria-5
Otu2433	1	5	3	2	0	3	4	0	1	1	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu2430	0	0	0	0	1	5	2	0	4	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2431	2	0	1	2	0	8	0	2	1	0	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2436	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia
Otu2437	1	0	0	0	0	0	0	5	0	0	0	0	Bacteria; Proteobacteria
Otu2434	0	0	0	0	0	0	4	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu2435	3	0	3	2	2	1	5	3	7	4	1	3	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu2438	0	3	0	0	0	0	3	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Nannocystaceae; Plesiocystis
Otu2439	1	1	1	1	1	0	0	0	5	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu3351	0	0	0	1	0	2	0	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu189	5	3	8	122	6	19	1	1	2	5	0	2	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Acidobacteriaceae; Terriglobus
Otu188	51	68	56	66	46	78	61	36	37	57	101	30	Bacteria; Gemmatimonadetes; Gemm-1
Otu185	51	6	7	20	9	100	1	25	57	6	11	36	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu184	50	44	87	117	23	94	92	85	79	115	92	84	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu187	3	2	1	14	9	90	5	5	9	8	9	12	Bacteria; Chloroflexi; Ktedonobacteria
Otu186	55	34	43	47	3	24	2	23	113	2	17	52	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flaviumibacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu181	40	22	22	60	57	110	45	70	82	57	18	88	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales
Otu180	132	8	12	22	7	112	9	4	2	4	1	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu183	54	16	21	176	12	4	112	16	55	130	0	116	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu182	78	147	53	54	231	189	6	21	81	61	70	77	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium; Flavobacterium_succinicans
Otu3260	1	2	0	4	1	0	3	0	0	0	1	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu3261	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3262	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae
Otu3263	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu1828	1	0	0	2	1	6	0	1	0	0	1	0	Bacteria; Armatimonadetes; OPB50
Otu1829	1	3	3	5	0	5	1	1	0	0	4	1	Bacteria; Armatimonadetes; 0319-6E2
Otu3266	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaaceae
Otu3267	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria
Otu1824	1	3	1	1	2	3	5	7	6	0	7	2	Bacteria; AD3; ABS-6
Otu1825	3	5	2	3	2	6	0	0	1	1	3	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu1826	4	0	1	0	1	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1827	8	3	5	7	3	21	5	7	9	8	6	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1820	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1821	1	1	0	2	0	4	1	0	1	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu1822	1	13	2	10	3	6	8	6	1	10	5	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1823	1	3	0	4	2	0	0	2	0	0	1	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Thermomonosporaceae
Otu985	1	2	0	11	0	2	1	2	0	1	0	1	Bacteria; Proteobacteria
Otu984	1	0	3	1	3	0	1	10	2	4	6	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu987	6	4	4	4	4	13	6	10	5	6	9	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu986	1	10	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu981	0	0	1	13	0	4	1	0	0	0	2	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu980	10	1	24	2	6	17	3	4	4	6	7	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu983	64	10	4	10	1	23	3	7	5	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu982	1	6	2	1	0	2	0	0	0	2	9	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu2326	0	2	2	2	3	0	1	2	0	0	1	1	Bacteria; Chloroflexi
Otu2327	0	1	0	0	1	1	3	0	1	3	2	3	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu2324	0	1	0	0	0	1	1	0	3	0	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu339	6	9	2	5	5	7	13	56	11	5	15	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu989	0	0	0	0	0	2	0	0	0	0	27	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu988	2	2	0	0	1	13	0	0	0	0	2	0	Bacteria; Cyanobacteria
Otu2320	0	3	0	0	1	1	1	4	0	0	0	0	Bacteria
Otu2321	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu336	9	13	1	44	55	95	11	5	13	7	60	6	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Dechloromonas
Otu1755	0	0	0	5	1	0	0	0	0	0	1	4	Bacteria; Planctomycetes; vadinHA49; DH61
Otu337	2	0	31	73	3	7	2	5	5	0	0	5	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_johnsonii
Otu4379	0	0	0	0	1	3	1	1	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Chromatiales
Otu1796	0	5	0	6	2	1	2	2	1	2	1	1	Bacteria
Otu1797	0	5	0	3	0	0	1	0	2	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1794	4	0	0	0	1	0	2	0	0	0	2	0	Bacteria
Otu1795	1	5	0	2	1	5	2	2	4	1	2	2	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1792	12	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Cyanobacteria
Otu1793	1	5	1	0	3	6	0	0	0	1	0	2	Bacteria; Acidobacteria; Acidobacteria-5
Otu1790	7	2	2	7	2	4	5	3	11	5	2	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1791	16	10	1	7	8	6	8	10	10	5	9	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3190	0	2	0	0	0	0	4	0	0	0	6	0	Bacteria; OD1; SM2F11
Otu1798	7	3	2	4	3	5	1	2	6	0	2	5	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales
Otu1799	2	4	4	6	1	3	5	4	4	10	5	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2223	0	2	2	0	2	0	0	3	0	0	3	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu2222	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu2221	5	13	13	18	12	30	17	17	8	6	10	4	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2220	0	0	0	3	0	0	2	0	0	0	0	0	Bacteria; Fusobacteria; Fusobacteriia; Fusobacteriales; Fusobacteriaceae; Fusobacterium
Otu2227	0	1	0	0	0	1	3	0	1	1	4	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu2226	2	1	1	2	0	0	1	3	1	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2225	4	3	0	0	0	2	5	3	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2224	1	0	2	0	0	5	0	2	0	4	2	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3196	0	0	0	0	0	0	0	0	0	0	7	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2229	7	7	9	15	2	12	15	11	9	10	10	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2228	0	1	0	1	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3197	0	0	2	2	2	2	0	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu3732	6	0	2	2	0	4	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3868	0	0	0	0	4	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu3869	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3318	0	1	1	2	0	0	0	0	1	0	3	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3194	0	0	0	0	0	1	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3733	2	0	0	1	1	0	1	0	2	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae; Oophila; Oophila_amblystomatis
Otu3314	0	0	0	1	0	0	0	0	0	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3315	1	0	0	0	0	2	0	2	0	3	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3316	0	0	2	1	1	1	0	0	0	1	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu3195	0	0	0	1	1	1	0	0	0	0	2	0	Bacteria
Otu3310	0	0	0	0	0	0	2	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SHA-20
Otu3311	2	0	0	0	0	3	0	0	0	1	2	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu3312	1	1	0	0	0	0	3	1	2	0	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae
Otu3313	0	0	0	2	0	1	2	0	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu4107	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu4100	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; OD1
Otu4101	0	0	0	0	0	0	0	0	4	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3884	0	0	0	0	0	2	0	0	0	2	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Oxobacter
Otu3885	0	2	0	0	0	0	0	1	2	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3886	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3887	0	0	0	0	0	0	0	0	0	1	2	0	Bacteria; Chloroflexi; Ktedonobacteria; B12-WMSP1
Otu3880	0	2	1	0	1	0	2	0	0	0	0	0	Bacteria
Otu3881	0	0	0	0	0	1	0	0	0	0	4	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3882	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu3883	0	0	1	0	0	0	0	1	2	3	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3179	0	1	0	0	0	0	1	0	0	2	2	0	Bacteria; TM7; SC3
Otu3888	0	2	1	1	0	4	0	0	0	0	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3360	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales
Otu2927	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae
Otu3217	0	0	0	0	0	0	2	2	0	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu4009	0	0	0	1	0	0	2	1	0	0	0	2	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Terribacillus
Otu4255	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria
Otu3216	3	0	1	2	0	9	2	0	4	3	1	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3738	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; TM6; SBRH58
Otu4008	0	3	0	0	0	1	0	0	0	0	2	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1644	6	1	3	4	2	13	5	3	7	7	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1645	3	6	1	3	2	2	3	0	4	1	5	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu1646	5	4	1	6	0	3	1	2	2	2	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1647	5	0	2	5	2	8	1	5	2	3	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1640	0	2	1	0	2	0	6	0	1	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1641	2	0	1	5	4	2	2	0	2	1	0	5	Bacteria
Otu1642	3	6	11	9	8	7	7	4	2	3	14	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1643	0	6	0	1	1	0	0	0	0	3	0	0	Bacteria; Proteobacteria
Otu2137	11	8	6	6	1	1	5	3	0	3	3	0	Bacteria; Acidobacteria; Chloracidobacteria; DS-100
Otu2136	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria
Otu2135	1	1	0	0	0	0	0	0	0	0	5	0	Bacteria
Otu2134	0	0	2	1	0	0	6	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1648	2	3	1	1	4	0	0	4	1	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1649	0	3	0	0	1	0	0	0	0	0	5	0	Bacteria; TM7; SC3
Otu2131	5	2	5	11	6	15	8	7	12	9	5	9	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2130	0	4	1	1	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu4006	0	1	0	3	0	1	0	1	0	2	0	2	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu4001	0	2	0	4	0	1	1	2	1	1	0	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu4000	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu58	395	177	226	559	214	734	271	183	179	285	143	121	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niastella
Otu59	110	98	37	136	96	111	135	99	125	425	77	125	Bacteria; Proteobacteria; Betaproteobacteria
Otu4297	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebofilaceae
Otu50	283	391	374	426	318	490	399	355	376	257	463	168	Bacteria; Proteobacteria; Betaproteobacteria
Otu52	104	85	105	204	212	425	197	346	265	383	288	87	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu53	9	32	93	411	56	143	31	18	76	10	14	107	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu54	328	165	234	461	195	329	247	154	197	141	211	204	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Phenyllobacterium
Otu55	36	379	98	166	24	47	373	29	12	70	98	42	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae; Aeromicrobium
Otu56	20	17	31	33	16	494	16	11	10	17	34	10	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu57	210	267	313	350	162	120	198	250	227	263	244	87	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu3902	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3174	0	0	2	0	0	0	0	0	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Phenyllobacterium
Otu2116	2	2	0	2	0	3	2	6	1	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu240	36	50	43	68	15	105	64	82	80	51	69	55	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2911	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2910	0	0	2	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2913	0	0	0	0	0	1	1	0	0	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Hyphomonadaceae
Otu2912	0	2	0	3	0	0	2	0	0	1	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu2915	0	3	0	0	3	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2914	0	0	0	0	2	0	0	0	0	1	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2917	0	1	0	0	0	0	0	0	1	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2916	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2919	0	0	0	1	0	0	0	0	2	0	0	1	Bacteria
Otu2918	1	1	0	3	0	0	2	3	2	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu4010	1	0	0	0	1	1	1	0	0	2	2	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4011	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu4016	0	0	1	0	0	3	0	0	1	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Kineosporiaceae; Kineosporia
Otu4017	0	2	0	3	2	2	0	1	0	1	4	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu4014	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria
Otu4015	0	0	1	1	2	0	0	0	0	0	0	0	Bacteria; WPS-2
Otu1253	1	0	1	6	0	0	0	1	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu1252	1	10	5	3	0	1	1	1	1	1	1	0	Bacteria; Gemmatimonadetes; Gemm-3
Otu1251	3	2	1	1	3	9	2	9	3	3	2	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1250	6	0	0	1	0	0	3	3	3	0	0	11	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1257	1	8	3	0	1	0	7	5	1	8	6	3	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; Shewanellaceae; Shewanella; Shewanella_algae
Otu1256	7	7	2	2	13	11	7	7	12	3	1	6	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; Alteromonadaceae; Cellvibrio
Otu1255	1	3	0	2	4	7	0	0	0	4	5	1	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1254	1	2	5	8	4	7	8	4	9	1	2	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu3146	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1259	10	6	0	0	0	0	3	3	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Aeromonadales; Aeromonadaceae
Otu1258	0	3	0	1	13	2	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu1495	7	4	11	7	4	11	0	3	4	2	1	2	Bacteria
Otu1494	0	3	0	2	7	2	4	1	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu1497	1	0	2	6	0	2	0	2	2	2	5	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1496	3	0	4	2	1	8	0	0	1	0	1	0	Bacteria; Cyanobacteria; ML635J-21
Otu1491	0	0	0	0	0	0	0	5	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1490	0	5	1	0	0	2	0	0	1	0	3	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales
Otu1493	0	0	0	0	1	2	2	5	4	2	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1492	3	0	3	9	2	11	0	1	6	2	2	3	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1499	1	0	0	0	0	7	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu349	5	31	8	11	22	20	40	52	22	15	35	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu4256	0	2	0	1	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu348	61	24	26	84	45	82	41	72	31	33	31	7	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu439	27	26	39	42	23	58	23	26	49	28	21	23	Bacteria; Proteobacteria; Betaproteobacteria; A21b; UD5
Otu438	19	39	16	12	17	21	21	34	9	20	37	6	Bacteria; Acidobacteria; Chloracidobacteria; DS-100
Otu3466	0	0	0	1	2	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3467	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu3464	0	1	2	0	1	0	0	0	0	0	2	0	Bacteria; OD1
Otu3465	23	129	27	40	34	28	37	23	7	24	46	15	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3462	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Bacteroidetes
Otu3463	2	1	1	0	1	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu3460	0	0	0	1	0	3	1	0	1	0	0	2	Bacteria
Otu3461	3	1	0	0	0	2	1	0	1	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3468	11	4	10	13	2	40	8	15	18	13	8	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3469	1	12	3	51	56	0	0	1	0	6	4	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu343	41	76	23	57	23	41	40	16	4	25	39	9	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu342	6	145	8	16	15	4	12	2	1	8	13	2	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu341	20	45	18	85	31	116	40	68	25	53	57	30	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae
Otu340	22	58	16	35	27	22	56	8	5	17	17	12	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu3147	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria
Otu347	39	35	45	71	25	59	69	111	78	63	103	44	Bacteria; Actinobacteria; Thermoleophilina; Gaiellales; Gaiellaceae
Otu346	21	47	36	33	35	82	26	21	22	34	43	13	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu345	16	31	12	48	13	44	45	29	33	28	23	15	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu3909	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu344	38	3	7	55	13	76	7	27	5	5	4	31	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niabella
Otu3790	0	0	0	0	0	2	1	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3791	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu3792	0	0	2	0	0	0	0	0	1	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3793	1	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3794	2	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Syntrophomonadaceae; Syntrophomonas
Otu3795	17	6	13	18	23	46	33	62	53	40	35	19	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3796	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3797	0	0	0	0	0	1	3	4	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3798	0	0	1	4	2	1	0	2	0	2	2	0	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu3799	0	0	0	0	1	0	1	0	2	1	0	2	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu4168	1	1	0	4	0	2	2	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu4169	0	0	0	0	0	4	0	0	0	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu512	4	9	2	3	7	43	12	10	7	8	6	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu513	17	23	24	51	13	41	50	55	49	60	30	26	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae
Otu510	12	7	11	16	10	29	26	3	4	2	11	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiales; Amycolatopsis
Otu511	18	29	5	38	23	7	19	1	1	3	15	4	Bacteria; Acidobacteria; iii1-8; 32-20
Otu516	19	25	12	6	34	25	8	1	0	8	35	1	Bacteria; WS3; PRR-12; Sediment-1
Otu517	1	0	0	1	0	2	0	0	27	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu514	6	11	12	32	0	1	13	16	12	6	17	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiae; Candidatus_Rhabdochlamydia
Otu515	5	8	8	16	13	30	24	15	13	20	34	6	Bacteria; Gemmatimonadetes; Gemmatimonadetes; KD8-87
Otu518	6	0	0	24	1	0	0	1	0	0	0	0	Bacteria
Otu519	19	34	21	28	22	33	10	1	5	3	8	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1079	16	17	14	15	11	22	10	7	12	8	15	6	Bacteria; Proteobacteria; Betaproteobacteria
Otu1078	1	11	0	1	0	0	0	0	2	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Perleucidibaca
Otu1073	1	1	3	5	3	12	6	1	6	3	10	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu1072	2	3	2	5	1	8	2	4	4	6	9	10	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1071	0	0	0	0	1	3	3	10	1	0	2	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1070	1	5	0	1	2	4	6	11	2	3	17	2	Bacteria; FCPU426

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1077	0	0	0	0	0	0	0	0	0	11	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1076	5	4	2	5	9	11	4	4	1	5	2	4	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1075	2	14	1	5	3	10	8	6	1	10	3	3	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_selenatarsenatis
Otu1074	4	0	2	10	1	18	2	12	12	4	2	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu228	8	3	6	61	37	106	1	1	32	3	4	0	Bacteria; Cyanobacteria; Oscillatoriothyraceae; Oscillatoriales; Phormidiaceae; Phormidium
Otu229	91	59	3	41	4	10	27	33	52	2	19	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu738	0	8	2	1	27	11	1	2	2	0	13	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu739	11	12	4	10	5	16	4	13	5	10	21	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu4257	1	0	0	0	0	3	0	2	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Kaistia
Otu220	36	21	31	46	20	103	6	6	23	6	12	9	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu221	42	0	1	80	36	26	0	1	9	4	0	4	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaceae; Fluviicola
Otu222	79	49	77	140	32	169	53	60	95	50	97	79	Bacteria; Proteobacteria; Betaproteobacteria
Otu223	109	14	49	87	20	99	44	62	29	50	21	10	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu224	13	6	24	49	20	89	41	53	28	37	49	26	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu225	134	6	4	20	7	18	22	32	5	6	0	5	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu226	24	17	25	33	16	78	20	16	7	24	18	10	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu227	21	25	31	34	29	87	59	61	70	31	34	21	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3889	0	1	0	1	0	0	0	0	0	2	0	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu3850	0	0	1	0	2	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3088	3	0	1	3	0	0	5	0	1	1	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3089	0	1	0	1	0	2	0	0	0	0	6	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales
Otu3084	0	0	0	2	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3085	0	2	1	0	1	3	1	3	1	1	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3086	0	2	1	0	2	0	0	2	0	0	0	1	Bacteria; Firmicutes; Bacilli; Bacillales; Thermoactinomycetaceae; Shimazuella
Otu3087	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3080	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu3081	0	1	0	5	0	0	1	1	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3082	0	1	0	2	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu3083	2	1	2	0	1	1	1	0	2	1	8	1	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu2515	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3648	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu2514	3	0	0	0	0	1	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Phyllobacteriaceae; Aminobacter
Otu3646	0	0	0	0	0	2	2	1	0	1	0	0	Bacteria; Cyanobacteria; ML635J-21
Otu3647	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3644	0	1	0	1	3	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu3645	0	1	1	2	2	0	1	3	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae; Clostridium; Clostridium_hungatei
Otu3642	0	0	0	3	1	5	2	0	0	0	1	0	Bacteria; Chloroflexi; Chloroflexi; Chloroflexales; FFCH7168
Otu3643	0	1	0	3	0	0	0	0	0	0	0	0	Bacteria; Chlorobi; OPB56
Otu3640	0	0	16	6	0	0	0	3	9	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu3641	0	1	1	0	0	3	3	1	3	0	3	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1107	3	1	0	0	11	0	1	0	0	2	6	0	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu1106	7	8	16	5	11	11	7	14	4	4	15	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1105	6	8	2	10	7	9	2	5	6	1	8	8	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1104	4	15	8	15	10	12	18	10	6	11	11	9	Bacteria; Firmicutes; Bacilli; Bacillales; Planococcaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu648	2	0	3	6	0	20	3	2	1	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu649	14	10	31	25	5	25	15	15	22	9	14	7	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3573	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; FBP
Otu3994	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria
Otu4254	2	0	0	1	1	0	0	1	1	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3995	1	0	0	0	1	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu3575	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2681	7	12	6	13	3	1	3	4	5	9	16	2	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu2680	2	0	1	5	2	8	9	2	2	0	0	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Sediminibacterium
Otu2683	0	1	3	0	2	1	0	2	0	6	1	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2682	0	0	0	0	2	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2685	0	0	0	0	0	2	0	0	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2684	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu2687	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Caldicoprobacteraceae; Caldicoprobacter
Otu2686	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2689	0	0	2	0	1	3	1	0	1	1	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2519	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria
Otu3577	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu4108	7	4	7	7	2	9	5	1	1	12	3	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2518	0	0	0	1	0	0	0	0	0	2	4	0	Bacteria; GN02; 3BR-5F
Otu4363	0	0	0	1	0	0	0	1	3	0	0	0	Bacteria
Otu4258	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1232	0	0	7	7	0	1	0	1	1	0	1	0	Bacteria; Proteobacteria
Otu3579	0	0	0	2	0	0	0	0	0	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3746	0	0	0	0	2	0	0	0	0	0	1	0	Bacteria
Otu1819	0	0	2	5	0	0	0	0	0	0	0	2	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1818	0	5	1	1	1	1	1	1	2	0	1	0	Bacteria; Armatimonadetes; 0319-6E2
Otu4439	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3259	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3258	0	3	0	0	0	2	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae
Otu3287	1	1	0	3	0	0	2	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu1811	0	1	2	0	3	4	0	1	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1810	0	0	6	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1813	0	6	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu1812	1	5	1	5	1	3	0	2	0	3	1	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1815	0	0	6	2	0	2	1	3	5	3	1	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1814	1	3	1	1	0	8	0	1	0	2	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1817	5	13	0	22	7	51	10	15	15	10	9	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1816	3	4	1	4	4	18	2	6	3	1	3	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae; Balneimonas
Otu4319	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2359	0	1	0	1	1	2	2	4	5	6	1	1	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2358	0	0	3	2	1	3	7	5	4	4	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3741	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Bacteroidetes
Otu4318	0	0	2	1	0	2	0	2	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2353	0	0	0	1	0	3	0	3	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu2352	0	0	0	0	1	1	1	1	3	1	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2351	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2350	3	1	2	1	2	2	4	1	4	2	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2357	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2356	1	0	1	3	1	1	2	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2355	3	6	2	3	1	2	6	5	1	4	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2354	30	12	31	26	14	8	7	22	8	7	10	12	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu3281	0	0	0	5	0	0	1	0	1	0	0	0	Bacteria; OD1; SM2F11
Otu2891	0	1	0	1	0	0	2	2	2	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4097	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria; OP11; OP11-3
Otu3025	0	2	0	1	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3975	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu2693	0	0	0	1	0	1	0	3	0	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Xanthobacteraceae
Otu2230	0	3	0	0	0	2	1	1	0	0	0	0	Bacteria
Otu2231	1	3	2	0	3	5	7	0	7	3	6	0	Bacteria
Otu2232	0	0	0	2	4	0	1	0	0	2	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2233	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2234	0	2	0	0	0	1	3	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2235	5	0	0	0	0	5	0	1	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2236	3	8	2	6	2	2	3	0	10	5	4	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2237	0	0	0	0	1	4	0	1	0	0	6	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2238	0	0	0	0	7	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2239	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3748	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4313	0	0	0	0	0	2	1	0	0	2	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3329	0	0	0	1	1	2	0	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3328	1	0	0	1	3	3	0	1	0	0	8	0	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae
Otu4099	0	0	0	0	0	0	2	0	0	0	1	0	Bacteria
Otu4389	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3321	0	0	0	2	0	0	0	2	1	0	0	1	Bacteria
Otu3320	1	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Phaeospirillum
Otu3323	0	0	0	0	1	0	0	0	2	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebofilaceae
Otu3322	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3325	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3324	0	0	1	2	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3327	4	2	4	4	1	3	9	5	7	2	5	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu3326	0	2	2	1	0	1	2	1	1	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu4167	0	0	0	4	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu4317	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4316	3	3	2	2	1	0	1	0	2	0	3	0	Bacteria
Otu1671	0	0	0	3	1	5	2	4	1	0	2	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1670	5	0	3	0	3	1	1	3	2	10	3	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1673	1	0	0	0	0	4	1	0	0	0	1	1	Bacteria; OD1; ZB2

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1672	0	3	0	4	0	1	0	1	0	0	0	0	Bacteria; WS3; PRR-12; Sediment-1
Otu1675	11	16	4	14	9	23	20	11	6	4	12	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1674	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae
Otu1677	1	0	0	3	0	4	4	2	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu1676	1	9	1	4	3	7	4	1	0	0	6	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1679	0	0	0	1	0	7	2	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu1678	0	7	3	2	1	2	5	4	2	2	7	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu2126	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu2127	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria
Otu2120	1	2	1	0	1	3	0	1	0	1	2	0	Bacteria; Chloroflexi; Ellin6529
Otu2121	3	0	6	4	1	6	1	2	1	2	1	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu2122	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu2123	0	0	0	0	2	4	0	0	1	0	4	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu4259	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3650	2	0	0	1	0	1	2	1	0	1	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu4377	4	13	7	9	5	5	13	41	25	27	13	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1803	0	4	0	0	5	3	2	2	0	2	2	0	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu1634	0	0	0	4	0	0	0	1	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu4417	2	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1186	2	4	3	10	3	4	3	1	1	4	7	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3168	0	1	0	1	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu4386	0	1	0	2	0	0	0	0	0	1	0	0	Bacteria; Armatimonadetes; OPB50

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4165	0	0	0	0	1	0	1	1	2	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3968	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; S035
Otu2908	0	2	0	1	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu2909	1	6	0	0	1	1	0	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu2906	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria
Otu2907	1	0	3	0	0	1	4	2	2	5	1	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2904	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu2905	2	0	1	0	0	0	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2902	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2903	1	1	0	0	0	0	3	1	1	3	1	1	Bacteria
Otu2900	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Chloroflexi; Ellin6529
Otu2901	3	1	6	2	0	2	9	3	4	10	4	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1240	1	2	8	1	1	3	1	0	0	0	8	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1241	6	3	6	14	3	22	7	17	3	21	13	3	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1242	14	105	28	51	23	103	69	65	39	42	51	19	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1243	9	4	6	9	1	8	7	12	6	6	2	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1244	0	2	0	2	1	6	7	6	1	6	1	1	Bacteria; Elusimicrobia; Elusimicrobia; Ilb
Otu1245	1	1	1	2	12	0	1	0	0	2	10	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1246	1	2	2	2	0	7	3	5	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1247	0	0	0	0	0	0	0	0	0	8	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu1248	0	12	3	1	3	9	6	0	0	2	14	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1249	6	12	3	2	14	2	7	10	10	10	12	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1809	0	2	0	2	1	7	0	0	1	0	4	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1482	0	0	1	2	0	5	4	4	0	0	1	2	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1483	131	30	39	123	57	133	29	9	10	20	78	14	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu1480	3	7	3	8	8	6	3	8	1	5	4	5	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu1481	1	8	1	0	0	4	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu1486	17	8	11	17	13	37	27	15	24	19	10	21	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1487	5	3	13	5	1	7	6	10	5	7	3	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1484	3	1	1	5	2	10	5	7	10	1	2	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Intrasporangiaceae; Oryzihumus; Oryzihumus_leptocrescens
Otu1485	5	11	1	5	3	1	4	3	1	5	5	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1488	0	2	2	5	1	4	0	0	1	5	2	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1489	0	1	2	12	0	1	3	6	0	2	3	1	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3121	3	3	0	0	1	0	0	0	0	1	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu3120	0	0	3	1	2	1	0	0	2	0	0	0	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu4418	0	1	0	0	0	2	0	1	2	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2006	1	0	0	0	0	3	0	0	0	2	3	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu3127	2	1	1	2	1	1	2	0	2	0	0	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3126	0	0	0	0	0	0	0	0	0	1	2	0	Bacteria; OD1; ZB2
Otu3413	0	0	0	2	0	1	0	0	1	3	0	4	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu3412	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu3411	0	1	0	0	2	0	3	2	2	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3410	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu3417	0	0	0	0	2	1	0	0	0	0	0	0	Bacteria; OD1; ZB2

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3125	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu3415	1	0	0	0	1	1	2	5	0	1	0	1	Bacteria
Otu3414	2	0	0	0	0	2	0	0	0	0	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2003	3	0	0	0	1	0	0	0	1	1	0	3	Bacteria; Proteobacteria
Otu3419	0	1	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3124	0	0	0	0	0	0	0	0	0	3	0	2	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2711	1	1	1	2	1	5	6	0	1	1	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2002	1	6	0	0	0	0	3	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2710	4	3	4	4	3	6	2	1	1	10	1	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu4171	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu2000	1	4	4	3	0	4	4	1	3	3	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3354	8	6	3	9	5	21	8	11	4	4	4	3	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu4170	0	0	0	2	0	0	3	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3669	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria
Otu4173	0	1	1	0	0	1	1	0	1	2	0	2	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2008	0	1	1	0	3	2	0	0	0	0	0	2	Bacteria; Chlamydiae; Chlamydiia
Otu2619	0	0	2	1	0	0	0	0	1	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu4172	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu83	85	75	94	212	57	162	118	247	210	120	174	72	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu82	17	1	3	16	3	24	12	220	31	3	15	1	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu81	136	78	88	260	62	345	151	105	96	153	69	133	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu80	55	4	11	21	219	104	2	8	0	4	7	133	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium; Flavobacterium_columnare

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu87	9	8	120	275	14	20	14	7	20	4	0	6	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae; Opiritus
Otu86	1	6	14	274	8	18	8	11	11	7	1	14	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu85	2	0	0	1	14	265	0	0	0	3	0	1	Bacteria; Cyanobacteria
Otu84	0	10	1	198	4	6	1	5	1	4	0	12	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu89	301	1	104	131	10	236	14	19	10	22	5	153	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae; Sphingobacterium; Sphingobacterium_multivorum
Otu88	28	13	48	236	18	107	12	11	19	15	8	17	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dyella
Otu2719	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae
Otu975	4	10	8	21	8	57	13	27	9	9	20	9	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2718	0	0	2	0	0	1	0	1	1	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu4199	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu4198	0	0	0	0	2	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu4197	0	0	0	0	0	1	0	0	0	3	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu4179	0	2	0	1	0	3	1	1	0	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu4195	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu4194	0	0	0	0	1	1	3	1	0	2	1	2	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4193	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu4192	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu4191	0	1	0	0	0	0	0	0	3	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4178	0	2	0	0	0	1	0	0	3	2	3	0	Bacteria; Proteobacteria
Otu4387	2	0	0	0	0	0	0	0	0	1	0	0	Bacteria
Otu3529	0	7	4	2	2	21	8	12	3	3	6	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3528	2	0	0	1	0	0	1	0	2	0	1	0	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3527	0	0	0	0	1	0	0	2	0	0	2	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae; Chlamydomonas; Chlamydomonas_reinhardtii
Otu3526	0	0	1	2	4	0	0	0	0	2	0	0	Bacteria; OD1; ZB2
Otu3525	2	1	6	12	3	4	2	8	7	9	2	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu595	1	1	6	2	1	6	0	0	25	1	0	6	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Cytophaga
Otu3523	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria
Otu3522	4	12	0	7	2	2	3	2	1	3	11	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3521	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; TM6; SJA-4
Otu3520	0	0	0	0	0	0	2	0	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu501	2	8	0	6	33	12	10	2	6	9	36	20	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu500	2	19	2	2	12	101	32	24	24	0	21	16	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu503	0	0	0	2	5	0	0	4	4	0	4	46	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae; Leeia; Leeia_oryzae
Otu502	7	11	36	33	1	4	7	4	10	0	6	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu505	0	0	12	1	8	1	0	0	0	25	0	13	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Rickettsiella
Otu504	0	0	0	0	10	30	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu507	25	68	17	33	26	19	28	15	7	24	39	10	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu506	4	1	6	5	9	32	3	19	19	19	5	1	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu509	16	56	24	30	40	26	18	5	11	37	30	4	Bacteria; Acidobacteria; Chloracidobacteria; PK29
Otu508	10	33	1	10	6	0	2	1	13	2	59	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu1068	0	0	0	0	0	0	0	0	11	0	1	1	Bacteria
Otu1069	3	4	3	12	5	11	6	7	5	9	4	5	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu1060	4	2	2	1	8	13	9	9	9	6	9	7	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu1061	20	18	11	25	2	16	12	64	39	10	15	6	Bacteria; TM7; TM7-1

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1062	0	18	3	16	11	1	6	0	0	1	3	1	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu1063	0	0	4	0	0	4	0	2	0	0	10	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1064	4	3	2	5	0	8	3	10	12	2	4	3	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1065	6	0	2	11	1	1	1	3	3	0	6	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1066	1	1	0	12	2	2	9	2	4	3	1	1	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1067	1	1	0	8	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Asticcacaulis
Otu729	0	3	1	1	14	40	6	31	7	3	11	3	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu728	3	6	13	23	7	23	10	11	9	3	9	7	Bacteria; Chloroflexi; C0119
Otu721	8	6	1	14	2	3	3	13	1	2	0	1	Bacteria; TM6; SJA-4
Otu720	0	7	4	17	9	3	7	3	11	3	3	6	Bacteria; Bacteroidetes
Otu723	13	6	4	19	9	15	7	11	14	4	8	9	Bacteria; TM7; SC3
Otu722	7	11	7	10	5	22	10	18	3	4	6	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu725	0	6	2	7	2	19	5	4	7	7	6	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu724	1	16	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu727	12	4	5	17	6	25	8	31	7	8	9	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu726	18	0	4	7	4	27	1	9	6	6	2	3	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu4278	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu3639	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3638	0	0	0	0	0	2	0	0	3	0	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3633	0	0	0	0	0	1	0	0	0	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3632	3	2	5	7	3	2	13	7	5	10	9	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3631	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3630	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3637	0	0	0	0	1	0	0	1	2	0	0	0	Bacteria; TM6; SJA-4
Otu3636	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu3635	0	0	0	0	0	0	1	2	0	0	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu3634	1	4	4	3	1	5	2	0	1	2	2	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1114	1	3	0	6	9	9	3	8	4	4	4	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1115	0	0	0	0	0	16	7	0	2	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu1116	0	0	1	3	0	0	0	0	0	10	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1117	3	0	3	3	1	4	0	8	10	2	4	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1110	1	3	2	2	0	4	10	5	3	1	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu1111	12	1	3	11	1	6	3	2	2	4	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu1112	5	2	1	6	4	19	3	2	2	0	1	3	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Lysobacter
Otu1113	13	16	8	4	6	10	14	1	3	11	18	3	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu435	31	69	13	19	19	11	35	30	11	57	25	10	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu434	4	6	3	16	1	30	5	1	0	2	6	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Lupinus; Lupinus_luteus
Otu437	15	56	34	43	10	21	20	6	13	21	46	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu436	1	2	5	8	32	4	0	6	3	19	11	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu431	24	19	17	18	23	27	56	44	55	56	24	19	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu430	14	27	13	45	13	34	19	5	18	22	33	15	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu433	15	14	14	41	2	9	11	14	7	9	8	17	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu432	3	1	1	4	0	9	0	0	33	0	5	0	Bacteria; Proteobacteria
Otu655	0	1	0	0	0	22	0	1	13	0	2	0	Bacteria; Chlorobi

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu654	11	5	12	16	15	37	16	31	11	19	7	17	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu657	6	1	1	4	1	11	4	9	21	1	0	13	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu656	4	4	2	24	2	4	3	4	2	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu651	8	0	3	3	4	22	3	0	5	3	2	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu650	2	3	8	7	11	24	7	20	18	18	9	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu653	8	0	5	2	1	41	0	2	8	3	2	5	Bacteria; Verrucomicrobia; Opitutae; Opitiales; Opitutaceae; Opitutus
Otu652	20	2	14	19	3	19	9	10	2	11	4	1	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu659	0	11	32	32	4	7	4	13	11	12	18	11	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu658	9	15	11	28	14	36	11	26	12	13	34	9	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu3659	0	0	0	0	1	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3870	22	15	21	30	14	33	21	29	22	24	37	11	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu448	1	15	5	32	0	34	9	1	0	4	10	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu449	16	37	21	35	24	116	24	28	16	44	62	21	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3747	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria
Otu1510	8	4	2	7	3	18	2	2	0	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3745	0	0	0	0	0	2	1	0	0	2	0	1	Bacteria
Otu3744	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3743	0	0	0	2	0	0	0	0	2	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3742	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2698	0	0	0	0	0	0	3	1	2	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1511	0	5	1	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2696	0	1	2	0	0	3	0	2	0	0	1	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Candidatus_Glomeribacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2697	0	0	1	1	0	1	1	0	2	1	0	0	Bacteria; Actinobacteria; Thermoleophila; Gaiellales; Gaiellaceae
Otu2694	0	0	0	0	0	0	0	4	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2695	2	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2692	2	2	0	1	1	4	1	1	0	0	2	1	Bacteria; Acidobacteria; iii1-8; SJA-36
Otu1512	0	0	0	0	0	0	0	0	0	5	0	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2690	6	18	3	14	3	2	7	1	0	3	8	2	Bacteria; Acidobacteria; Chloracidobacteria; DS-100
Otu2691	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu237	26	32	16	55	20	104	21	26	20	19	22	10	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu235	42	167	41	66	37	38	40	16	17	33	82	11	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu234	40	26	11	34	56	115	45	5	69	97	83	25	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu233	36	35	65	65	13	98	21	47	117	8	27	68	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu232	20	26	43	42	34	76	62	90	61	91	58	39	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu231	14	76	34	15	89	21	14	3	1	26	22	6	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu230	2	12	46	9	1	91	0	1	0	0	3	1	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae; Solitalea; Solitalea_canadensis
Otu1514	248	93	63	150	67	380	126	230	307	110	146	92	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3627	0	2	0	1	1	0	0	0	0	0	2	0	Bacteria; Actinobacteria; Thermoleophila; Gaiellales; Gaiellaceae
Otu4384	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu239	82	49	117	424	95	234	222	139	232	489	41	195	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu238	33	23	32	15	19	62	6	7	4	11	75	32	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1806	0	4	2	0	1	1	3	0	4	0	0	0	Bacteria; Acidobacteria; iii1-8; 32-20
Otu1807	5	1	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu1804	1	8	1	9	19	17	10	4	5	6	13	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1805	0	0	4	9	2	6	1	0	1	2	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu1802	0	0	3	4	1	5	5	2	1	2	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Brevibacillus
Otu1516	0	2	0	5	0	3	5	1	2	2	5	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1800	1	0	0	1	0	0	1	6	6	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1801	1	5	0	1	3	0	0	1	2	0	1	4	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu440	15	1	3	14	0	39	3	5	5	3	5	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1638	0	0	1	1	1	2	1	1	4	1	5	3	Bacteria; Proteobacteria
Otu1517	1	8	6	3	1	2	7	12	9	0	3	1	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1808	8	5	0	2	3	2	3	2	0	0	1	3	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu441	559	486	500	1090	664	887	437	305	486	709	492	713	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Methylibium
Otu1518	0	0	0	0	1	1	0	1	0	6	0	3	Bacteria; TM6; SBRH58
Otu3248	0	1	13	80	15	3	1	0	20	2	1	6	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu3249	0	1	0	2	0	1	1	4	2	0	0	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu4380	0	0	0	0	0	0	0	2	2	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1519	0	2	2	1	0	0	3	5	2	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3242	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria
Otu3243	1	0	4	0	0	1	0	0	0	0	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; AKIW659
Otu3240	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria; OP3; PBS-25
Otu3241	2	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu3246	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3247	0	2	0	0	0	2	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3244	0	1	0	2	1	2	18	31	7	1	1	4	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3245	0	0	1	0	0	2	0	1	1	0	0	0	Bacteria; WPS-2
Otu2348	3	0	4	3	1	6	3	3	3	1	6	1	Bacteria; TM7; TM7-1
Otu2349	1	0	1	1	2	5	1	2	1	3	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2340	3	3	0	1	2	4	1	3	0	0	1	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu2341	2	4	3	4	1	2	2	4	1	2	5	0	Bacteria; Gemmatimonadetes; Gemm-5
Otu2342	1	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebophilaceae; Candidatus_Amoebophilus
Otu2343	0	0	1	4	0	2	0	0	0	2	1	0	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu2344	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2345	0	1	0	3	1	0	2	0	0	0	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2346	0	0	0	0	0	0	0	0	5	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu2347	1	9	2	8	1	2	4	3	14	1	7	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu4221	0	1	0	0	0	0	0	0	2	0	0	0	Bacteria; OD1; ZB2
Otu4150	0	0	0	0	0	1	0	4	0	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu3336	0	0	0	1	1	3	3	1	1	3	1	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3192	0	0	0	2	0	2	0	1	1	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3334	0	1	1	9	0	7	3	0	0	0	4	0	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu3335	0	2	0	0	0	3	0	3	0	0	0	0	Bacteria
Otu2209	2	3	0	0	3	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu2208	1	0	0	3	0	0	2	1	0	1	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu3330	0	4	1	3	0	0	2	0	0	0	2	1	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu3331	0	1	0	2	0	0	0	0	0	0	2	0	Bacteria; Chlorobi; BSV26; PK329
Otu2205	1	3	1	0	1	5	0	1	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2204	0	3	0	1	3	1	3	0	0	1	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu2207	3	1	0	0	0	0	1	0	2	0	0	0	Bacteria
Otu2206	1	4	1	2	0	3	1	0	0	1	2	0	Bacteria
Otu2201	12	3	9	27	0	10	7	21	8	2	1	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2200	0	0	0	0	0	3	0	0	1	1	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2203	1	0	1	2	1	4	0	0	0	1	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu2202	0	0	4	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu3337	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3193	0	0	0	0	2	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3332	0	3	0	1	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; AKIW874
Otu1558	4	5	4	11	0	9	5	1	13	6	6	6	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3333	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria
Otu1452	0	0	0	1	0	1	1	0	0	0	0	5	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu8	426	216	349	1817	1090	580	353	274	220	139	197	721	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiales; Bradyrhizobium
Otu9	226	412	448	581	549	853	161	134	1751	36	79	549	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetales; Streptomyces
Otu6	449	248	1082	2565	1199	715	2415	274	506	1065	188	710	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Ralstonia
Otu4	641	420	1085	2898	544	996	541	281	669	692	282	600	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu5	1376	691	1910	2238	598	905	1699	1618	1403	1880	1295	1171	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu2	225	1	1	27	135	5356	1	2	2	8	1	2	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Pantoea
Otu3	347	47	1675	3244	207	94	446	183	186	46	75	5050	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu4270	0	1	1	2	0	2	1	1	2	3	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu1	260	66	164	7327	1322	308	8	65	170	16	5	310	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2119	23	21	22	28	18	34	34	29	21	12	23	21	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu2118	0	0	0	0	1	5	2	2	2	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu4312	0	0	0	0	1	0	0	0	0	0	5	0	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu1559	2	2	1	1	1	1	0	0	0	4	9	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1668	0	1	0	0	0	0	0	0	0	5	1	0	Bacteria
Otu1669	0	0	0	0	5	1	0	4	1	0	0	1	Bacteria; Proteobacteria
Otu1666	0	0	0	0	0	0	0	4	0	0	2	0	Bacteria; OD1; SM2F11
Otu1667	0	3	0	4	0	0	1	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu1664	0	5	3	0	3	2	1	0	2	3	1	1	Bacteria; Armatimonadetes; 0319-6E2
Otu1665	0	7	0	0	3	0	2	4	1	1	2	1	Bacteria; Gemmatimonadetes; Gemm-1
Otu1662	5	1	10	3	7	6	4	4	7	7	3	3	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Nevskia
Otu1663	1	1	3	8	1	2	1	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu1660	0	0	1	0	0	9	0	0	0	0	1	0	Bacteria; TM7; SC3
Otu1661	0	3	0	0	2	4	1	1	2	1	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu963	3	14	0	5	4	9	8	7	4	2	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu3338	0	0	0	1	0	2	0	2	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu746	0	6	1	1	19	1	0	0	0	1	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3339	0	0	2	0	1	0	1	0	0	1	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu961	2	0	0	0	0	13	0	0	0	0	0	1	Bacteria; Proteobacteria
Otu4436	1	3	0	0	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu960	10	2	2	2	0	5	2	5	12	1	1	11	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu743	5	13	10	10	17	13	9	9	6	2	19	1	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4276	0	0	0	0	0	0	0	0	0	0	0	5	Bacteria; Proteobacteria; Betaproteobacteria
Otu742	14	9	24	38	14	30	4	5	11	4	3	26	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4348	0	0	0	0	3	1	1	1	0	1	0	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu741	6	6	14	20	9	16	16	18	6	30	13	12	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu740	4	0	4	5	1	2	3	6	14	1	1	1	Bacteria; TM6; SJA-4
Otu4277	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu4349	0	0	0	0	1	0	0	0	0	0	5	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2979	0	0	1	2	0	0	0	0	0	0	0	0	Bacteria
Otu2978	0	0	2	0	3	2	1	2	0	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu4274	0	0	0	0	0	3	0	0	0	2	1	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2973	1	0	0	4	4	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2972	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria
Otu2971	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2970	0	2	0	0	1	1	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j
Otu2977	0	1	0	0	0	2	1	4	2	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu2976	2	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2975	0	2	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu2974	0	0	0	0	0	0	0	1	0	3	1	0	Bacteria
Otu2822	0	0	0	0	0	1	2	1	2	1	1	0	Bacteria; TM7; TM7-1
Otu1279	1	3	0	6	2	0	8	0	0	1	4	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1278	4	8	1	5	6	1	2	2	4	16	5	1	Bacteria
Otu1275	3	13	0	2	5	9	3	0	2	5	10	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1274	17	37	25	52	33	47	25	80	36	15	29	28	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu1277	3	2	1	3	1	2	5	4	8	4	2	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1276	4	5	3	11	14	6	7	6	10	5	12	5	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu1271	3	8	2	0	9	3	7	10	0	0	12	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu1270	1	0	0	0	0	10	1	2	0	0	1	1	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacterales; Ktedonobacteraceae
Otu1273	0	7	2	5	8	4	8	2	0	5	7	1	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1272	3	5	2	3	5	16	5	3	7	7	10	5	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu3094	2	6	2	1	4	18	5	2	4	0	2	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu4275	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1479	0	0	1	9	0	1	0	0	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1478	0	0	0	0	0	1	0	0	0	7	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1477	1	1	1	2	2	7	1	3	5	2	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1476	9	3	0	5	3	34	10	0	9	4	6	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae
Otu1475	28	17	24	38	33	96	19	23	37	51	32	13	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu1474	1	0	1	11	2	0	0	1	1	8	2	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae; Sphingobacterium
Otu1473	5	8	12	13	3	9	3	5	2	0	2	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; OR-59
Otu1472	2	8	5	10	2	6	5	9	2	11	6	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1471	0	2	1	0	1	1	1	6	0	1	3	0	Bacteria; FBP
Otu1470	3	3	3	8	2	8	3	0	0	6	3	1	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu3422	9	5	3	0	1	4	2	1	2	0	5	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu4303	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Bacteroidetes
Otu3423	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2620	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria
Otu4340	0	2	0	2	0	0	0	1	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu2807	1	6	5	46	2	5	6	2	19	12	0	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2788	0	1	0	2	0	0	0	1	1	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2805	2	0	0	2	0	2	0	0	0	1	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2804	0	1	1	2	1	1	1	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2803	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2802	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2801	0	0	0	0	17	1	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu2789	0	0	0	1	0	0	0	0	0	2	0	0	Bacteria; OD1; ZB2
Otu3408	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3409	18	12	8	21	10	31	21	14	18	9	13	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3653	0	1	0	1	0	0	1	2	0	1	2	2	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2809	0	0	0	1	0	2	2	0	1	3	0	2	Bacteria; OD1; SM2F11
Otu2808	0	0	0	1	2	0	0	2	0	0	0	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Geodermatophilaceae
Otu3019	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu3652	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu4344	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae
Otu4205	0	0	0	1	0	0	0	0	0	0	5	0	Bacteria
Otu3655	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4345	0	0	2	2	2	5	0	3	0	0	0	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilimelia
Otu3654	0	0	1	0	0	2	0	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3657	0	2	1	0	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3656	2	0	2	1	0	5	0	1	0	0	0	0	Bacteria; FBP
Otu2780	8	19	1	1	4	3	15	0	6	2	5	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1589	37	71	6	14	9	8	21	16	1	9	1	5	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu1588	5	4	4	8	4	3	2	3	3	8	11	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu98	243	72	26	57	37	126	67	75	18	59	39	14	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu99	9	10	45	58	26	98	16	187	8	33	3	165	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiales; Amycolatopsis
Otu2781	0	2	0	1	4	0	0	0	2	0	0	0	Bacteria
Otu94	154	128	152	238	78	221	130	90	110	105	46	17	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu95	28	3	42	54	52	308	32	92	68	18	35	9	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu96	81	291	48	117	323	172	100	109	42	308	119	25	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niastella
Otu97	37	40	26	68	24	154	31	30	31	11	24	26	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu90	9	0	5	7	25	255	2	3	31	3	9	1	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu91	102	9	17	28	6	197	8	4	6	6	2	17	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu92	27	13	19	39	47	189	79	132	90	107	51	61	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu93	11	3	40	142	248	22	30	6	23	3	51	5	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu4188	0	1	0	2	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu4189	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3484	0	0	3	0	0	2	6	3	0	1	3	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu4185	29	24	11	32	46	87	30	59	35	52	49	23	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu4186	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu4187	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4180	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu4181	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4182	0	2	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu4183	2	2	0	0	2	3	3	0	2	0	1	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu3538	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1551	0	2	2	3	3	7	6	0	0	0	6	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3534	0	3	0	2	0	2	0	0	1	0	1	2	Bacteria; Firmicutes; Bacilli; Bacillales; Thermoactinomycetaceae; Planifilum
Otu3535	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3536	0	2	1	0	2	4	0	0	2	0	0	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2787	0	4	0	2	3	0	0	1	0	1	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu3530	0	4	1	1	5	3	4	0	0	2	3	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu3531	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; MVS-65
Otu3532	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria; TM7; TM7-1
Otu3533	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu1055	5	5	4	9	6	10	5	6	4	2	10	5	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; EB1017
Otu1054	2	24	4	3	18	28	18	9	4	13	22	8	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1057	3	4	11	7	5	2	2	7	10	2	5	10	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu1056	1	0	3	2	3	9	2	0	6	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu1051	11	2	8	6	4	6	9	8	9	11	5	9	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1050	2	2	0	5	0	7	11	4	1	2	1	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1053	12	15	12	19	20	20	25	22	20	24	37	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1052	0	5	1	5	1	7	2	3	8	1	6	1	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu534	13	11	25	18	8	23	13	20	12	10	17	8	Bacteria; Chloroflexi; C0119
Otu535	7	23	12	9	7	41	8	9	2	3	9	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu536	15	8	10	12	18	51	13	15	9	14	16	11	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu537	74	76	40	85	43	72	73	88	70	186	62	139	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu1059	8	23	4	3	4	20	0	2	11	1	8	1	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu1058	18	33	31	41	18	48	19	12	11	44	50	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu532	0	8	9	11	0	27	13	3	6	8	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu533	24	26	15	20	19	46	44	46	29	21	28	11	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1297	1	7	1	0	0	8	5	2	4	1	3	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1296	0	0	4	5	1	8	2	4	0	2	4	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1294	0	3	0	0	1	5	2	5	0	5	11	0	Bacteria; TM7; SC3
Otu1293	0	10	0	2	0	1	3	0	0	2	5	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1292	0	1	0	7	0	1	0	0	1	0	5	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1291	5	2	1	10	3	0	3	4	0	13	1	6	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1290	2	2	1	2	1	1	0	1	1	0	9	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu1299	0	0	0	4	0	18	0	3	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1298	4	4	5	5	2	5	4	4	5	5	7	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2599	0	0	1	0	0	3	1	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2598	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2595	174	295	354	534	223	499	295	182	339	293	131	373	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu2594	0	0	3	0	4	0	1	0	1	1	1	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2597	2	2	2	4	1	1	4	0	0	1	1	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2596	0	1	0	7	0	0	0	1	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptostreptococcaceae
Otu2591	1	1	2	2	1	5	2	0	1	0	1	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2590	4	0	2	1	1	0	3	1	0	1	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2593	0	4	1	0	3	4	4	0	0	0	2	0	Bacteria; Planctomycetes; OM190; agg27
Otu2592	0	3	5	3	7	1	5	3	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3482	0	0	0	0	0	2	0	1	0	0	0	0	Bacteria; Proteobacteria
Otu2759	2	0	2	0	0	1	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu2758	2	10	2	0	4	0	4	0	0	4	6	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2757	4	0	1	5	0	0	0	0	1	0	0	13	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu2756	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Intrasporangiaceae
Otu2755	2	1	0	3	3	0	2	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu2754	121	67	73	88	53	104	55	43	27	69	24	10	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu2753	10	3	1	5	24	9	2	2	2	7	26	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2752	2	1	1	1	0	6	0	1	0	2	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2751	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2750	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales
Otu3628	0	0	0	1	0	1	0	0	0	0	3	0	Bacteria; TM7; SC3
Otu2050	0	0	0	2	3	6	0	1	0	0	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4341	39	0	0	1	2	2	0	5	0	1	0	17	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2051	0	0	0	0	0	0	0	0	1	4	1	0	Bacteria
Otu3620	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria
Otu3621	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3622	0	0	0	0	0	0	0	0	0	0	0	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3623	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3624	1	0	1	2	0	1	1	1	0	1	2	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae
Otu2052	9	7	4	6	2	7	5	3	2	6	14	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3626	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3483	0	0	0	1	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu408	20	31	26	86	40	97	42	40	62	60	74	31	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu409	18	13	1	0	0	41	0	11	0	0	5	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1123	7	7	11	2	0	5	0	9	1	0	4	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1122	1	0	2	9	0	6	3	4	5	5	4	2	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu1125	4	7	2	1	2	4	3	2	0	0	10	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1127	0	1	0	0	1	11	0	2	1	0	1	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1126	5	6	7	8	1	9	0	10	3	2	4	2	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu1129	27	18	83	174	13	61	40	48	70	20	31	49	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu1128	45	17	30	87	9	56	29	15	25	135	12	45	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu402	66	4	4	8	0	20	4	10	3	0	5	17	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Pseudoxanthomonas
Otu403	0	0	0	0	0	1	0	1	37	0	0	1	Bacteria
Otu404	13	12	9	32	8	10	21	15	19	49	11	31	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu405	33	23	30	59	16	48	25	40	51	18	17	38	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu406	2	0	1	2	8	4	0	2	0	1	0	36	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingopyxis; Sphingopyxis_alaskensis
Otu407	0	0	24	33	0	1	0	14	1	1	3	8	Bacteria; Proteobacteria; Alphaproteobacteria
Otu660	1	5	12	10	4	7	20	22	7	13	28	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu661	4	26	1	1	12	23	8	3	2	7	14	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu662	1	1	1	2	1	33	0	1	1	0	1	2	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae; Leptolyngbya
Otu663	6	14	0	30	1	4	7	0	10	2	11	10	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu664	0	0	5	8	10	4	12	10	32	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu665	0	24	14	5	24	6	10	1	2	21	29	3	Bacteria; Planctomycetes; Pla4
Otu666	1	10	9	9	10	6	8	2	3	6	17	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu667	0	14	9	5	12	24	7	3	3	7	12	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu884	3	3	8	21	0	5	2	5	10	3	11	2	Bacteria
Otu885	1	20	4	4	5	1	2	0	4	2	18	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu886	9	19	10	15	24	43	19	23	11	30	21	13	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu887	0	0	4	14	0	0	0	0	0	0	0	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu880	8	15	5	15	9	20	15	6	12	6	22	10	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu881	3	26	10	12	6	1	9	7	6	5	22	2	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu882	16	1	0	1	0	1	3	2	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu883	14	8	8	13	10	1	0	5	10	1	0	6	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu390	15	20	14	22	24	36	28	42	14	12	11	7	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu391	5	0	3	49	1	5	5	4	14	10	4	5	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu392	15	1	20	51	11	39	2	3	1	0	1	15	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Siphonobacter; Siphonobacter_aquaclarae
Otu393	16	42	5	46	9	20	9	9	10	10	9	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu394	24	39	10	17	6	16	83	66	34	37	16	12	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu395	11	20	15	19	6	47	17	34	9	8	6	12	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu396	35	59	39	66	27	25	43	29	18	36	97	15	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu397	20	8	20	49	4	44	12	27	19	18	14	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu398	3	55	15	20	27	19	32	12	6	8	34	3	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu399	2	0	0	0	1	41	0	3	0	0	0	7	Bacteria; Bacteroidetes
Otu4347	0	1	0	0	0	3	1	0	0	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3754	0	1	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3755	0	5	1	1	2	5	3	3	1	2	1	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu3756	0	0	2	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3757	1	5	2	1	6	5	1	0	4	2	4	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3750	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3751	0	3	0	3	0	5	3	2	1	0	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3752	0	0	0	1	0	0	0	0	2	0	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Kineosporiaceae; Kineococcus
Otu3753	1	1	0	1	0	1	1	3	1	2	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu4019	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2263	0	15	4	10	6	18	11	4	3	6	1	5	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu3485	11	21	11	18	12	25	30	27	10	27	32	27	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Thermomonas
Otu3758	4	4	1	2	0	1	0	0	0	0	0	1	Bacteria; Chloroflexi; Ellin6529
Otu3759	0	1	0	0	0	2	0	0	0	2	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu714	3	1	0	34	14	5	1	0	1	1	0	4	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu715	0	0	0	2	0	23	1	0	0	1	5	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu716	3	4	1	11	7	33	2	2	2	1	2	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu717	0	5	0	18	1	1	1	0	1	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu710	12	3	2	2	10	7	10	6	17	16	6	5	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu711	6	6	9	7	4	5	28	18	15	8	5	2	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu712	2	9	7	8	24	22	8	16	12	14	12	5	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu713	0	0	19	4	0	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu248	3	2	6	34	6	78	1	12	7	7	5	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu249	7	16	18	60	28	94	14	17	15	12	43	5	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu718	14	17	2	0	1	3	3	2	1	0	8	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu719	8	0	6	7	1	34	6	10	6	4	2	1	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu1873	0	4	0	2	4	0	0	0	3	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1872	1	2	0	2	3	6	1	2	3	1	2	2	Bacteria
Otu1871	5	2	1	10	4	8	4	0	4	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1870	0	4	0	1	2	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu1877	0	0	0	2	3	0	3	5	0	0	4	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1876	1	4	1	7	1	3	0	0	0	1	0	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu1875	8	13	2	7	12	19	10	6	2	26	10	12	Bacteria; Gemmatimonadetes; Gemm-1
Otu1874	0	1	5	0	0	0	0	1	3	0	5	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu4269	54	33	48	87	18	97	29	46	48	51	45	33	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu1879	17	11	29	30	11	51	17	51	37	22	15	27	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1878	0	0	10	13	3	8	5	3	0	3	1	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2290	1	0	0	0	1	3	0	0	1	0	0	0	Bacteria; Chloroflexi; C0119
Otu2375	4	3	2	5	3	7	2	9	5	2	4	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2374	2	2	0	1	0	1	0	0	0	4	0	0	Bacteria
Otu2377	0	0	1	2	3	0	7	0	0	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2291	0	1	3	0	3	0	1	2	0	0	1	0	Bacteria
Otu2371	0	0	0	2	1	1	3	2	5	1	3	3	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu2370	0	4	0	2	4	3	3	0	3	0	0	0	Bacteria; BRC1; PRR-11
Otu2373	11	10	14	31	6	19	18	20	23	7	14	11	Bacteria; Acidobacteria; Solibacteres; Solibacteriales; Solibacteraceae; Candidatus_Solibacter
Otu2372	3	5	0	2	0	4	2	0	1	1	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2296	16	10	12	34	19	29	15	29	40	29	28	14	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu4126	0	3	0	0	0	0	2	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu2379	23	18	4	4	2	39	0	10	1	0	1	12	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2378	0	2	0	2	2	2	6	0	4	2	1	0	Bacteria
Otu2297	3	1	1	1	1	3	5	2	2	0	9	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2577	2	1	2	1	2	4	4	0	2	3	2	3	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu2576	0	0	0	0	0	0	0	2	0	0	3	0	Bacteria; OD1; Mb-NB09
Otu2575	2	0	2	2	0	0	0	0	0	0	3	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu2574	0	0	0	0	1	6	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2573	0	0	0	0	0	3	2	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2294	2	0	0	0	3	0	3	0	2	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2571	1	0	0	0	0	1	0	0	3	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2570	0	0	3	1	0	0	0	0	0	0	0	0	Bacteria; TM7
Otu2295	0	0	0	3	0	0	0	0	2	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2579	0	0	0	0	0	0	1	0	0	1	4	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2578	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2111	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2110	0	1	1	1	3	4	7	3	1	4	0	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu2113	1	1	0	2	0	6	0	1	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu4236	0	0	0	0	0	0	0	0	3	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2112	0	2	0	0	0	0	3	0	1	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3689	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3517	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; TM6; SJA-4
Otu2115	1	3	0	2	0	6	0	2	1	1	2	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu4234	0	0	0	1	0	2	1	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2114	1	0	1	7	0	1	2	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3343	1	0	0	1	0	1	1	2	1	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3342	0	3	0	1	0	0	1	0	1	0	2	0	Bacteria; TM6; SJA-4
Otu2218	0	6	0	3	0	0	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2219	0	3	0	0	0	0	1	1	4	1	2	0	Bacteria; Verrucomicrobia; Opitutae; Cerasioccoales; Cerasioccoaceae
Otu3347	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2117	1	3	0	0	0	5	3	3	2	2	1	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu1909	1	4	0	3	2	0	0	0	0	0	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1908	1	0	4	0	2	1	0	2	0	0	7	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu1907	0	5	0	1	1	8	0	0	3	0	4	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1906	0	0	0	1	1	0	4	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j
Otu1905	2	7	1	2	0	2	1	1	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1904	0	0	0	5	0	6	2	1	5	0	2	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1903	0	0	0	0	4	0	1	0	4	1	2	2	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1902	7	0	4	3	0	2	0	1	0	0	0	0	Bacteria; Cyanobacteria; 4C0d-2
Otu1901	6	3	4	4	2	3	1	5	5	6	4	1	Bacteria; Verrucomicrobia; Opiritatae; Opiritutales; Opiritutaceae
Otu1900	3	6	3	4	1	2	0	1	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu866	0	12	2	20	4	0	5	0	0	0	1	1	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu867	6	12	4	10	11	14	7	5	5	6	11	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu864	7	14	8	9	8	15	8	6	1	5	8	5	Bacteria
Otu865	5	9	5	12	6	30	9	16	13	18	16	10	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu862	4	15	3	6	8	12	14	15	7	6	9	4	Bacteria; Chloroflexi; S085
Otu863	1	7	6	3	2	0	1	0	1	5	16	1	Bacteria
Otu860	14	0	1	0	2	5	0	0	1	2	3	2	Bacteria; FBP
Otu861	2	10	7	12	11	5	17	2	2	9	8	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2408	1	3	0	0	1	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga
Otu3511	0	3	0	1	2	1	3	2	4	1	0	0	Bacteria; Acidobacteria; Chloracidobacteria
Otu3189	0	0	0	0	0	3	0	1	0	0	1	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu3188	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu868	14	1	3	12	0	4	2	3	0	2	1	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu869	0	4	4	1	5	1	3	1	0	1	20	1	Bacteria
Otu4378	2	0	1	0	1	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4385	0	2	0	0	2	2	1	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu3006	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2106	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2107	2	0	1	1	0	2	1	4	2	0	0	0	Bacteria; Chlorobi

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2104	7	4	1	3	4	11	8	10	8	7	4	7	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2105	0	1	0	1	0	3	2	1	1	2	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2102	4	0	0	1	0	1	2	0	3	0	1	0	Bacteria; TM7; TM7-1
Otu2103	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria
Otu2100	2	0	0	0	0	4	0	0	2	0	1	2	Bacteria; Chloroflexi; Ellin6529
Otu2101	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu4239	2	5	0	1	1	0	1	0	2	1	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4013	0	14	3	0	2	1	1	0	3	6	7	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2108	2	7	0	0	0	1	1	1	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Cellulomonadaceae; Cellulomonas
Otu2109	66	0	0	8	51	129	0	0	0	1	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Enterobacter
Otu1619	3	0	1	3	4	1	0	0	0	2	0	0	Bacteria; Acidobacteria; iii1-8; DS-18
Otu1618	0	0	0	3	2	1	0	1	0	1	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3989	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu3988	0	2	1	3	0	1	0	0	2	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu1613	0	3	0	1	4	3	0	0	0	0	1	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu1612	0	2	1	0	3	5	0	0	2	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1611	0	6	0	1	4	3	1	0	4	0	11	0	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu1610	2	0	0	2	0	3	0	1	0	0	4	0	Bacteria; Chloroflexi; Thermomicrobia
Otu1617	7	2	4	2	6	11	5	4	2	7	2	0	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu1616	0	6	0	0	6	2	9	6	5	1	9	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1614	7	3	4	7	1	10	9	0	5	4	4	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3291	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3290	0	4	0	0	2	3	4	0	1	0	0	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu3293	0	2	0	0	1	0	0	0	0	1	3	0	Bacteria; Planctomycetes; C6; d113
Otu3292	0	0	0	1	0	0	1	0	0	2	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu3295	0	1	0	1	0	20	4	1	3	2	1	9	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3294	0	0	0	2	0	4	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3297	2	0	0	2	0	3	1	0	2	0	1	0	Bacteria; Bacteroidetes
Otu3296	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu3299	0	1	1	0	0	0	0	0	1	4	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu3298	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3967	0	0	2	0	0	2	1	2	1	3	2	2	Bacteria; Chloroflexi; TK10
Otu3966	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3965	1	2	4	2	1	0	1	3	2	5	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3964	0	0	0	0	0	0	3	3	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3963	0	1	0	2	0	0	0	0	1	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3962	0	3	0	2	2	1	0	1	0	0	4	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3961	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3960	0	0	0	0	0	1	2	2	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3008	0	1	2	0	0	0	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4338	0	0	0	8	0	3	1	0	1	0	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu3969	0	0	0	0	1	0	2	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3009	1	0	0	2	1	0	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Opitutae; Cerasioccoales; Cerasioccoaceae
Otu4337	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Chloroflexi

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4336	0	2	0	1	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; PK29
Otu3186	1	2	3	0	3	2	1	3	3	1	0	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; EB1017
Otu4266	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu4335	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1727	0	0	2	2	0	0	0	4	3	1	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1726	0	0	0	0	3	1	0	1	1	4	0	1	Bacteria
Otu1725	0	0	1	5	4	6	0	2	3	1	3	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1724	3	0	4	2	3	2	2	3	2	1	4	1	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1723	6	5	0	0	3	1	0	0	1	2	2	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu1722	1	1	0	1	0	4	4	4	0	5	5	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu1721	0	1	0	0	2	5	3	5	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1720	4	0	1	2	0	0	2	0	0	0	1	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu4333	1	0	1	4	1	7	0	5	4	3	0	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu1729	0	1	0	5	0	0	0	3	0	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1728	9	9	6	18	4	12	16	10	9	15	11	7	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu4331	0	0	1	0	0	0	0	4	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niasella
Otu4261	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu4330	0	2	0	0	1	1	0	0	0	0	0	0	Bacteria; Fibrobacteres; Fibrobacteria; 258ds10
Otu2968	0	4	0	2	1	1	0	0	0	0	3	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu2969	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Thermoactinomycetaceae; Shimazuella
Otu4381	0	0	0	0	1	0	0	0	2	0	0	0	Bacteria; Proteobacteria
Otu2960	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2961	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfobacterales; Desulfobulbaceae
Otu2962	96	40	108	94	62	40	5	96	510	7	13	88	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Chthoniobacter
Otu2963	0	2	0	0	0	2	2	2	1	6	3	1	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu2964	0	0	0	0	0	2	0	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2293	6	5	11	9	1	5	2	4	2	0	13	2	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2966	0	0	0	0	0	2	2	0	1	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2967	0	0	0	0	0	5	0	2	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1268	2	7	1	3	5	11	2	1	1	6	11	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1269	5	2	9	6	7	12	2	2	4	9	5	8	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1262	0	1	3	2	2	1	3	10	6	7	6	1	Bacteria; ODI; SM2F11
Otu1263	1	1	1	1	3	4	5	0	1	0	11	0	Bacteria; Spirochaetes; Leptospirae; Leptospirales; Leptospiraceae; Turneriella
Otu1260	2	5	8	4	5	1	6	1	2	5	8	0	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu1261	0	3	2	1	5	11	3	7	1	1	3	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1266	1	0	0	0	0	0	1	9	3	3	0	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1267	0	0	0	2	0	3	10	9	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1264	2	5	2	2	4	4	0	8	8	0	1	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Sporichthyaceae; Sporichthya
Otu1265	5	1	2	12	0	10	7	1	1	3	4	9	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3275	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1468	1	0	1	0	2	8	3	7	2	2	2	7	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1469	2	1	5	9	8	26	12	14	18	3	2	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1464	13	0	0	4	2	19	0	1	0	0	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1465	0	0	0	0	0	0	9	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pasteurellales; Pasteurellaceae; Haemophilus; Haemophilus_painfluenzae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1466	2	2	4	3	3	10	7	13	8	10	5	3	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu1467	2	2	1	3	0	7	0	0	1	4	8	1	Bacteria
Otu1460	0	1	1	0	0	16	0	3	0	0	0	1	Bacteria; Chloroflexi
Otu1461	0	5	0	2	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1462	7	0	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu1463	0	1	1	1	0	6	0	2	2	0	0	1	Bacteria; Chloroflexi; C0119
Otu3183	0	1	0	1	1	2	2	0	0	3	2	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu3177	0	0	0	0	2	3	0	0	1	0	0	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu4359	2	0	0	2	0	0	1	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu3916	1	2	2	2	0	1	2	0	3	0	1	2	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2814	0	2	0	0	0	2	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; heteroC45_4W
Otu2815	0	0	1	2	0	1	0	1	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2816	1	3	0	0	2	0	1	0	0	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2817	5	1	7	17	3	5	2	5	5	6	1	1	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu2810	1	1	0	0	1	3	2	3	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu2811	0	1	2	3	1	2	0	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2812	0	7	0	2	0	3	3	2	2	0	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2813	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3435	0	1	0	3	3	2	1	1	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3434	10	3	2	3	8	10	4	5	7	3	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3437	84	51	52	124	32	199	73	76	41	52	29	58	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu3436	0	4	0	1	0	2	4	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2818	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2819	0	0	0	0	1	1	0	0	0	2	1	0	Bacteria
Otu3433	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu3432	2	3	2	11	11	22	10	0	0	12	5	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu3182	0	2	1	0	0	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4262	0	0	0	0	2	0	0	1	0	1	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae; Candidatus_Proteochlamydia
Otu4428	0	0	1	0	0	2	1	0	0	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4358	0	0	1	0	3	1	0	0	0	0	2	0	Bacteria; OP3; PBS-25
Otu4433	16	42	11	5	3	15	2	4	4	6	3	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1598	8	13	9	26	8	10	4	6	10	1	3	2	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae
Otu1599	2	10	13	10	0	14	10	8	7	7	4	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1590	0	0	0	0	0	8	0	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu1591	0	1	0	0	1	5	6	9	5	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu1592	0	5	1	5	2	3	2	1	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1593	6	2	4	8	2	5	2	2	2	1	3	1	Bacteria; Chloroflexi; C0119
Otu1594	2	2	0	0	0	3	0	6	1	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1595	3	8	2	8	5	4	2	1	3	2	11	1	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j
Otu1596	3	11	0	6	4	8	6	3	0	9	8	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1597	2	8	1	9	7	4	11	5	1	6	14	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu4227	1	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu3760	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Roseburia; Roseburia_faecis
Otu3509	0	2	1	1	2	0	0	0	0	2	0	0	Bacteria; Bacteroidetes

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3508	0	0	1	0	0	0	2	0	1	0	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; AKIW659
Otu3501	0	2	0	0	0	1	2	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu3500	0	1	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu3503	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria
Otu3502	0	0	1	0	0	0	0	0	0	13	0	4	Bacteria; Proteobacteria
Otu3505	0	0	0	0	1	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3504	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3507	0	2	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu3506	0	0	1	1	0	0	0	5	2	4	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1042	14	27	20	33	35	115	26	52	31	46	39	29	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1043	3	3	6	1	3	8	2	8	9	9	17	7	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu529	0	0	12	32	5	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu528	44	13	9	18	12	31	16	8	8	4	24	10	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1046	0	9	2	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; JH-WHS99
Otu1047	4	0	11	6	0	5	9	5	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_rhizosphaerae
Otu1044	1	1	1	1	0	12	0	1	4	4	2	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu1045	10	6	4	11	7	12	14	7	12	8	12	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu523	2	1	3	7	3	10	4	32	7	11	6	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu522	3	26	4	2	15	20	30	2	4	14	34	3	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu521	10	6	15	14	4	32	1	6	7	5	2	8	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu520	31	32	26	55	23	42	32	29	15	14	29	28	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplans
Otu527	10	5	21	52	12	13	15	20	28	0	3	9	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu526	4	1	7	5	3	2	6	7	4	35	8	15	Bacteria; Gemmatimonadetes; Gemm-3
Otu525	91	40	203	1037	136	494	168	82	15	13	6	99	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae
Otu524	12	10	15	6	17	22	12	25	10	37	16	10	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu1284	7	7	2	8	5	2	3	9	6	2	5	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1285	3	6	3	10	0	4	2	2	0	1	4	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1286	3	1	0	0	5	9	2	0	0	4	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1287	0	0	1	9	0	4	0	0	6	5	0	5	Bacteria; TM6; SJA-4
Otu1280	1	4	1	0	3	2	2	6	2	5	3	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1281	0	9	3	3	9	2	3	0	0	8	1	2	Bacteria; WS3; PRR-12; Sediment-1
Otu1282	1	8	0	6	2	1	2	1	1	1	3	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1283	0	3	1	4	1	7	4	2	1	3	0	1	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu3264	681	425	636	1043	414	502	1488	368	647	1985	462	652	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu1288	0	9	4	6	5	4	0	5	0	0	2	4	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu1289	2	0	1	5	1	10	2	1	0	1	0	1	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu3265	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae
Otu2588	0	0	3	1	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu2589	3	0	1	2	0	1	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu2582	0	0	0	0	0	0	3	0	0	0	0	0	Bacteria
Otu2583	5	0	0	0	0	2	0	3	1	2	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales
Otu2580	0	0	18	1	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2581	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Pedomicrobium
Otu2586	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Actinobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2587	2	0	4	6	0	3	1	3	0	0	0	0	Bacteria; Actinobacteria
Otu2584	2	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Nitrosomonadales; Nitrosomonadaceae
Otu2585	523	233	602	1086	600	370	475	100	371	1147	108	375	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales
Otu3615	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3268	0	0	0	2	0	0	0	2	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu3617	1	0	3	0	0	0	0	0	0	0	0	0	Bacteria
Otu3616	0	0	1	0	2	1	3	0	0	0	0	0	Bacteria
Otu2748	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Thermi; Deinococci; Deinococcales; Deinococcaceae; Deinococcus
Otu2749	0	1	0	1	0	0	2	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu3613	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria
Otu3269	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu2744	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast
Otu2745	0	0	0	1	0	0	0	0	1	2	0	0	Bacteria; Elusimicrobia; Elusimicrobia; Elusimicrobiales
Otu2746	0	1	0	2	0	0	2	1	2	0	1	0	Bacteria; Acidobacteria; Acidobacteria-6
Otu2747	0	1	1	0	3	3	1	1	1	1	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu2740	2	2	0	2	1	6	2	2	5	2	4	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2741	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu2742	2	2	1	3	3	4	4	1	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2743	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu417	7	5	6	42	5	6	2	4	2	0	3	2	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu416	18	60	19	64	34	46	21	11	10	26	39	6	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu415	12	24	19	44	7	1	30	5	34	70	1	109	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu414	0	4	3	37	1	2	2	0	5	0	0	4	Bacteria; Bacteroidetes
Otu413	0	0	3	5	17	10	15	40	23	42	19	33	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu412	34	49	42	70	23	42	36	16	24	50	48	21	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu411	42	5	0	2	13	23	0	0	10	2	5	5	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu410	25	32	15	24	17	30	16	31	23	19	40	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4230	6	1	0	2	1	18	1	4	2	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu4393	0	0	0	0	0	2	0	0	0	1	4	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu419	8	3	22	25	6	38	12	21	27	19	12	13	Bacteria; WPS-2
Otu418	15	24	25	47	19	37	23	14	17	22	36	3	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4174	33	101	13	56	28	24	30	10	2	13	42	5	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu4357	0	0	0	0	4	0	0	0	0	0	2	0	Bacteria; TM7; SC3
Otu1138	9	10	3	9	0	0	6	1	2	5	3	1	Bacteria; Gemmatimonadetes; Gemm-5
Otu1139	23	46	32	35	28	72	23	39	34	44	56	14	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu1136	12	1	0	2	7	14	0	0	2	0	0	0	Bacteria; Cyanobacteria; Nostocophycideae; Nostocales; Nostocaceae
Otu1137	0	0	0	0	1	1	0	1	0	0	0	9	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu1134	7	1	3	1	1	0	1	1	0	1	4	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1135	3	7	1	3	2	6	5	1	5	9	10	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1132	0	3	1	1	5	12	6	12	4	6	4	9	Bacteria; Acidobacteria; DA052; Ellin6513
Otu1133	2	0	2	8	2	2	2	8	9	3	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1130	0	12	4	10	7	2	8	0	1	6	9	7	Bacteria; Acidobacteria; Acidobacteria-5
Otu1131	0	0	0	0	0	0	0	7	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae
Otu3149	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae; Leptolyngbya

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu899	5	0	13	18	6	14	9	23	10	11	8	13	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu898	0	2	2	0	12	7	0	0	1	0	3	0	Bacteria
Otu3903	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; TM7; SC3
Otu679	17	5	10	33	13	34	4	9	25	18	12	15	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu678	10	0	0	1	22	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Prosthecobacter; Prosthecobacter_debontii
Otu677	2	6	2	4	5	24	9	8	7	1	8	0	Bacteria; Planctomycetes; vadinHA49; p04_C01
Otu676	0	4	2	0	4	0	0	0	0	0	19	0	Bacteria; OD1; ABY1
Otu675	4	24	3	5	14	5	8	1	0	5	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu674	13	4	5	28	3	17	2	10	3	9	9	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu673	18	2	0	1	0	7	0	0	0	2	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingobium
Otu672	4	9	9	9	12	13	9	10	16	16	25	9	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu895	0	2	0	5	0	1	4	16	1	0	2	5	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu670	0	0	0	0	8	0	0	0	0	0	25	0	Bacteria; Bacteroidetes
Otu2444	0	3	0	1	0	1	0	3	0	1	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu389	14	112	15	51	42	90	71	63	25	19	60	25	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu388	27	154	57	79	51	103	72	45	44	63	97	32	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu387	11	51	16	27	30	18	20	36	31	18	52	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu386	18	9	14	37	5	76	11	15	3	6	8	15	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu385	40	100	34	81	66	39	34	17	16	29	29	26	Bacteria; Verrucomicrobia; Opiritatae; Opiritutales; Opiritutaceae; Opiritutus
Otu384	0	0	2	11	5	51	1	7	10	2	3	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu383	29	57	16	31	14	49	12	7	2	4	16	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu382	24	12	13	53	16	56	18	35	31	5	22	6	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu381	22	36	50	95	27	61	18	33	39	22	41	13	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu380	8	10	9	14	18	88	21	100	31	20	33	31	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3761	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu3602	0	0	1	0	1	3	4	0	1	1	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3763	30	28	33	40	23	32	32	26	22	15	57	21	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu3762	13	18	11	14	8	7	33	16	4	23	16	4	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3765	0	2	1	0	0	3	0	0	2	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2328	0	0	2	3	0	0	0	0	1	0	5	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3767	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu3603	0	4	0	1	0	3	3	3	1	2	1	0	Bacteria; Acidobacteria; EC1113
Otu3769	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3768	0	0	0	1	2	1	0	0	0	1	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales; Parachlamydiaceae
Otu2329	1	1	2	0	1	1	0	6	2	0	4	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu4159	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Akkermansia
Otu4351	0	2	0	1	1	0	0	0	0	0	0	0	Bacteria
Otu3908	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu251	19	39	11	16	7	85	71	103	74	21	38	46	Bacteria; Proteobacteria; Gammaproteobacteria
Otu250	106	32	70	176	60	110	37	27	67	28	27	100	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu253	13	22	2	28	11	87	9	8	16	6	7	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu252	32	27	26	30	51	80	35	61	64	52	54	27	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu255	3	4	6	16	13	89	23	51	31	4	14	12	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu254	2	3	1	1	0	60	7	1	0	2	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Lysobacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu257	37	69	25	87	41	30	77	22	13	50	49	15	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu256	61	0	0	10	7	88	0	0	1	0	0	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu259	13	4	13	26	8	62	75	90	32	13	18	14	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu258	19	32	18	44	38	45	25	37	26	30	77	7	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu709	15	13	8	13	6	16	18	6	5	4	18	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu708	0	9	1	0	8	1	13	7	8	1	19	3	Bacteria; Proteobacteria; Betaproteobacteria
Otu3143	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1860	0	5	0	0	0	0	0	0	0	0	1	0	Bacteria
Otu1861	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu1862	2	0	1	3	4	10	0	0	1	0	1	4	Bacteria; FBP
Otu1863	0	0	0	0	4	2	0	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu1864	0	3	0	2	4	3	1	1	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu1865	1	0	0	0	0	0	0	4	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1866	2	4	0	1	2	6	1	2	2	2	5	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1867	8	2	0	5	2	5	1	0	0	2	0	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu1868	0	4	3	4	6	4	7	2	2	5	3	4	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1869	4	11	9	10	10	15	9	7	7	1	9	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu4350	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2323	0	2	0	1	1	0	0	0	0	0	2	3	Bacteria; Chloroflexi; Anaerolineae; H39
Otu2362	9	11	7	11	7	13	21	14	12	12	19	9	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2363	0	0	3	0	0	3	2	1	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2360	0	2	0	0	0	0	0	0	0	2	3	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2361	1	3	0	2	3	2	3	0	1	3	9	2	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu2366	0	3	0	3	2	4	1	0	0	1	1	0	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolineaceae; Anaerolinea
Otu2367	7	12	3	5	47	21	6	16	11	10	11	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; DA101
Otu2364	2	2	0	0	3	2	0	0	0	1	1	1	Bacteria
Otu2365	0	1	0	0	0	5	8	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Myxococcus
Otu3498	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria
Otu3496	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu2368	0	0	0	2	1	3	0	0	0	1	0	5	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2369	1	1	2	4	0	1	4	1	0	3	0	2	Bacteria
Otu3608	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu2564	46	138	32	79	73	79	137	116	100	106	144	34	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu2565	0	0	0	0	5	5	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2566	1	0	0	7	0	0	1	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2567	2	0	0	0	0	4	0	0	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2560	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; OD1; Mb-NB09
Otu2561	2	3	0	2	0	4	1	0	0	2	2	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu2562	0	1	3	3	2	0	0	0	0	0	3	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu2563	0	0	0	0	0	1	1	2	3	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2568	40	146	19	18	7	5	31	20	2	9	14	4	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2569	0	0	0	1	1	5	0	0	1	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu3495	12	18	5	13	7	7	18	4	3	16	11	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3155	0	0	0	0	0	0	0	0	0	1	3	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4114	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu4396	0	3	0	3	1	5	0	0	1	0	2	0	Bacteria; TM7; TM7-1
Otu3992	0	13	1	4	6	1	1	1	0	4	11	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu4139	1	1	0	0	5	8	0	1	0	4	4	2	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu3350	3	0	1	2	2	0	0	2	1	0	1	5	Bacteria; TM7; TM7-3; EW055
Otu2325	0	0	2	1	1	0	0	3	0	1	3	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3352	0	0	0	0	0	0	0	2	1	0	0	0	Bacteria; Proteobacteria
Otu3353	0	0	0	0	0	3	0	0	4	0	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1918	1	2	1	1	6	1	2	1	0	2	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1919	0	0	1	6	0	0	0	1	0	0	0	0	Bacteria
Otu3356	0	2	2	0	1	3	0	1	2	1	1	0	Bacteria
Otu3357	0	2	0	0	0	0	4	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1914	1	0	2	3	0	0	2	7	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu1915	7	21	8	9	14	3	2	0	1	8	9	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1916	0	0	1	2	0	9	2	2	3	1	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu1917	1	0	1	3	4	0	2	0	2	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1910	6	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu1911	0	2	2	5	0	9	1	6	0	1	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1912	2	0	0	0	5	3	3	4	0	5	1	4	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1913	0	3	0	0	0	4	1	3	0	1	1	0	Bacteria; OD1; ABY1
Otu875	8	20	15	21	8	17	22	13	3	9	24	2	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu874	3	16	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu877	0	21	12	4	12	3	9	0	0	11	23	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu876	1	0	1	15	0	1	0	0	0	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu871	11	1	1	0	2	17	3	5	0	0	5	0	Bacteria; Bacteroidetes; VC2_1_Bac22
Otu870	0	16	0	0	0	0	1	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu873	9	21	28	35	19	26	21	25	29	15	25	18	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu872	1	15	8	9	9	21	7	8	4	3	8	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3198	0	1	3	1	0	2	2	1	2	0	2	1	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales
Otu3199	1	0	0	4	0	1	0	0	3	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu879	7	14	3	17	6	20	0	1	0	1	9	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu878	1	6	1	4	11	25	11	14	8	10	13	2	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu2322	0	2	0	2	1	1	0	0	3	3	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu3429	1	0	1	2	0	0	0	2	0	1	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae
Otu4346	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes
Otu4119	0	3	0	2	0	2	0	0	0	1	0	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu3990	0	2	0	0	3	1	1	1	1	1	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3481	0	3	1	2	0	0	0	0	1	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2173	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2172	5	3	1	2	2	6	1	11	5	1	10	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nakamurellaceae
Otu2171	0	0	0	0	0	4	0	0	1	1	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2170	2	3	1	1	0	0	0	1	0	2	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2177	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; TM6; SJA-4
Otu2176	0	0	0	0	1	1	3	0	0	0	1	1	Bacteria; Proteobacteria; Betaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2175	3	1	5	2	5	3	2	0	2	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Asticcacaulis; Asticcacaulis_biprosthecium
Otu2174	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Bacteroidetes
Otu4327	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2179	0	2	1	0	0	1	0	6	0	0	0	0	Bacteria
Otu2178	0	0	1	1	1	2	1	3	1	1	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaaceae; Actinomycetospora
Otu3991	1	0	0	0	1	2	0	0	0	0	0	0	Bacteria; Cyanobacteria; ML635J-21
Otu3766	0	0	0	0	0	1	1	1	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu1608	0	0	0	0	0	5	0	5	3	0	1	0	Bacteria; Armatimonadetes; 0319-6E2
Otu1609	1	0	2	3	1	7	0	1	2	1	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3998	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3999	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae; Leptolyngbya; Leptolyngbya_frigida
Otu1600	0	0	0	0	0	0	0	0	6	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu1601	1	1	2	3	2	8	2	3	6	2	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu1602	2	0	0	0	1	2	1	5	2	2	2	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1603	0	1	0	4	3	1	0	1	1	0	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1604	3	7	2	3	8	15	5	4	4	3	3	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1605	3	3	1	5	4	1	2	1	1	2	2	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1606	0	3	2	2	0	0	3	1	0	0	7	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu1607	0	0	1	1	0	4	1	1	3	2	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3288	0	0	0	0	0	2	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraaceae
Otu3289	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae; Opiritus
Otu3286	0	2	0	1	0	1	1	0	0	0	0	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu549	6	4	3	15	9	35	5	3	6	8	7	1	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu3284	0	0	1	0	0	0	0	0	0	2	0	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu3285	1	2	2	0	1	4	2	2	3	2	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3282	0	0	0	0	0	1	0	0	0	3	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu3283	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria
Otu3280	1	0	0	1	0	1	1	6	1	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu548	12	12	9	26	16	25	12	36	12	17	15	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3974	0	1	0	1	0	0	0	0	0	2	0	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu3976	0	0	0	0	2	1	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3977	10	4	7	11	9	19	17	17	25	12	13	0	Bacteria; Acidobacteria; iii1-8; DS-18
Otu3970	0	4	0	1	1	2	1	0	0	0	1	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu3971	1	0	0	4	3	0	0	1	0	0	1	0	Bacteria; Chloroflexi; P2-11E
Otu3972	0	0	0	0	0	0	1	3	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu3973	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; OP11; OP11-3
Otu3978	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu3979	0	0	0	0	2	0	0	0	1	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3997	1	0	0	0	2	0	1	1	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu4176	1	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1734	0	0	0	0	0	0	4	0	0	0	0	0	Bacteria; Proteobacteria
Otu1735	0	1	1	2	0	0	5	0	3	0	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1736	0	0	0	0	4	10	0	0	5	0	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu1737	5	4	0	2	1	9	1	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1730	1	2	0	2	2	3	5	6	2	7	2	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1731	1	1	0	1	0	2	4	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1732	3	5	0	0	0	7	1	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1733	0	1	2	1	0	0	3	0	4	2	1	0	Bacteria; TM7; SC3
Otu2007	0	1	0	1	0	0	3	1	7	2	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu541	1	36	19	5	35	7	3	8	1	28	38	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2005	12	7	2	12	1	12	4	9	4	4	5	11	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2004	0	0	0	0	1	0	0	3	0	0	0	0	Bacteria; TM7; TM7-1
Otu1738	1	5	0	3	0	4	9	5	2	3	1	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Ammoniphilus
Otu1739	0	4	2	1	5	4	0	0	0	3	4	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu2001	0	0	1	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu540	19	7	19	32	5	15	9	17	25	17	7	21	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu4360	0	0	2	2	0	1	2	0	0	1	1	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu941	6	12	1	8	5	15	10	10	8	3	10	4	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu3651	1	15	0	18	4	19	23	5	9	2	13	16	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu940	28	11	24	38	12	89	24	27	21	9	21	53	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu767	151	22	20	39	12	328	29	43	124	9	1	21	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niabella
Otu4361	0	0	0	1	1	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu942	0	0	0	0	0	11	0	0	0	0	2	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu761	24	31	6	19	12	27	6	14	5	10	17	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2285	1	8	2	3	0	4	0	0	1	1	2	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu944	2	2	2	0	4	15	1	4	2	0	3	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1459	0	5	0	0	0	2	2	0	0	0	1	0	Bacteria; Proteobacteria
Otu1458	1	0	0	2	1	0	0	2	0	0	1	9	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu763	14	16	6	2	8	10	30	14	18	11	12	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3401	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1451	1	14	6	5	2	11	7	4	6	4	20	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1450	0	0	0	6	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu1453	0	0	0	6	0	1	0	0	0	1	0	0	Bacteria
Otu762	23	114	16	34	43	34	19	8	3	40	27	10	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu1455	0	1	0	0	0	2	0	6	1	1	1	4	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1454	1	2	0	0	4	10	0	2	3	5	1	5	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Nevskia; Nevskia_ramosa
Otu1457	0	0	0	0	1	2	0	0	0	1	5	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1456	0	0	0	0	0	0	0	0	0	0	7	0	Bacteria; OD1
Otu4362	1	0	0	0	0	0	0	2	2	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4354	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria
Otu2284	20	7	10	64	6	28	27	37	16	25	17	6	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu2489	0	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae
Otu2821	1	11	1	7	3	3	6	11	7	4	14	2	Bacteria; Chlorobi
Otu2820	3	1	2	2	1	1	3	2	2	0	3	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2823	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2488	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu2825	0	0	0	0	0	1	2	0	0	1	2	0	Bacteria; Proteobacteria
Otu2824	0	0	0	5	0	0	1	1	0	1	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2827	22	7	10	40	5	12	17	19	11	21	14	13	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu2826	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu2829	0	3	0	0	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae
Otu2828	0	1	2	0	0	0	2	4	0	0	0	0	Bacteria; TM7; SC3
Otu3420	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SJA-15
Otu3421	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3426	0	4	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3427	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria
Otu3424	0	1	1	0	0	0	0	1	3	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3425	2	0	0	0	0	0	0	0	1	0	0	1	Bacteria
Otu3849	3	14	4	10	7	12	2	6	4	3	21	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3007	0	3	1	0	0	0	0	0	0	0	3	0	Bacteria; Spirochaetes; Spirochaetes; Spirochaetales; Spirochaetaceae; Spirochaeta; Spirochaeta_aurantia
Otu4364	0	0	0	1	0	0	0	3	0	0	0	0	Bacteria; TM7; TM7-1
Otu2955	0	1	0	0	1	3	0	0	0	3	0	0	Bacteria
Otu2954	0	0	1	0	2	1	2	2	1	1	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2957	0	2	2	1	1	0	1	1	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2956	0	0	0	1	0	0	0	0	2	2	2	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2951	2	3	1	3	10	15	3	4	8	3	1	5	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu2950	0	1	2	5	0	0	0	1	1	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu2953	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2952	1	0	0	0	1	0	0	0	1	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3862	1	0	0	2	0	1	1	0	1	1	1	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3406	0	0	1	0	2	1	0	0	0	1	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu4366	0	0	0	1	1	1	1	0	0	0	2	0	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu2800	0	4	0	0	0	2	2	3	1	0	1	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu4368	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria
Otu3860	5	7	1	5	6	5	4	4	0	1	4	1	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu4369	0	1	0	0	1	0	0	2	0	1	0	0	Bacteria; TM6; SJA-4; S1198
Otu3982	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; WS3; PRR-12; Sediment-1
Otu2473	0	0	0	2	0	1	0	4	2	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3341	0	1	1	2	0	0	0	2	1	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu3549	1	0	0	0	0	1	4	3	4	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2779	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2778	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3606	0	0	0	0	0	0	0	1	2	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3607	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3604	0	0	1	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu3605	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2771	7	1	4	12	10	6	3	2	9	0	3	13	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu2770	0	0	0	0	0	0	0	2	2	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2773	0	0	0	0	0	0	0	2	0	1	0	0	Bacteria; Fibrobacteres; Fibrobacteria; 258ds10
Otu2772	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu2775	0	0	0	0	0	0	3	0	0	0	0	0	Bacteria; TM6; SJA-4; S1198
Otu2774	0	2	1	3	0	1	1	1	0	2	1	0	Bacteria; Proteobacteria; Betaproteobacteria; A21b; UD5

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2777	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu2776	0	4	2	4	3	0	2	0	0	0	0	4	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu462	8	9	11	34	3	5	3	5	13	2	4	2	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu463	6	21	9	7	9	33	8	14	5	12	29	9	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu460	29	20	26	34	16	35	12	18	19	6	24	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu461	19	28	19	39	17	51	25	38	17	30	37	18	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu466	22	29	10	24	25	61	20	35	20	10	21	15	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Dactylosporangium
Otu467	39	0	1	0	0	6	0	17	0	0	0	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu464	0	0	2	35	2	6	1	0	0	1	0	0	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu465	0	1	9	26	3	32	0	0	0	0	0	0	Bacteria
Otu468	13	0	6	27	0	1	0	7	0	0	1	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu469	17	5	5	43	17	38	23	2	10	5	1	58	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Cohnella
Otu1149	3	3	0	0	0	9	2	1	2	1	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu1148	7	4	7	3	3	12	2	7	5	2	4	3	Bacteria; Chlorobi
Otu1143	0	0	1	9	0	6	1	0	1	0	0	0	Bacteria
Otu1142	2	0	0	3	1	17	0	1	4	3	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1141	0	11	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu1140	2	3	1	8	25	28	7	2	3	4	18	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu1147	1	1	3	8	1	8	1	1	2	3	5	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu1146	1	2	1	4	2	19	1	0	2	0	3	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae; Nocardioidea
Otu1145	0	12	1	0	2	0	6	0	0	10	3	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu1144	29	41	20	47	31	46	35	25	23	51	46	28	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2483	0	0	0	0	0	5	2	0	1	0	0	1	Bacteria
Otu2482	1	1	4	3	1	6	1	2	2	5	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu608	5	2	0	28	0	8	6	0	0	11	1	10	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu609	22	22	18	27	23	53	36	34	49	47	37	27	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2487	4	2	0	0	0	0	0	3	0	0	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2486	0	0	0	0	0	0	0	6	0	1	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2485	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2484	5	3	0	1	0	2	2	4	5	0	5	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu602	3	24	5	19	13	14	10	59	28	9	34	6	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu603	22	20	15	36	19	52	28	52	27	21	16	14	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu600	31	13	5	11	10	15	9	10	13	21	17	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu601	5	5	15	35	8	19	12	20	14	9	11	25	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu606	2	0	1	1	1	23	3	0	2	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu604	36	20	13	10	16	23	5	5	2	4	22	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu605	6	27	6	11	7	8	14	4	5	1	4	9	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu3658	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Armatimonadetes; SHA-37
Otu4042	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3778	0	0	0	0	2	0	0	0	0	0	1	0	Bacteria; Acidobacteria
Otu3779	0	0	2	0	0	0	0	1	0	0	0	0	Bacteria
Otu3776	2	0	0	0	0	3	0	0	0	0	0	0	Bacteria
Otu3777	0	0	0	0	0	0	0	1	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3774	0	0	2	5	1	4	1	2	19	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3775	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3772	13	72	27	39	29	54	23	19	2	34	82	10	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3773	2	2	1	2	1	6	0	0	2	1	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3770	1	1	1	2	0	2	3	1	4	4	0	1	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu3771	0	3	1	7	3	2	1	45	19	1	8	8	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu268	35	36	17	110	28	79	48	36	38	18	17	43	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu269	1	3	0	1	2	1	1	1	1	0	67	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu264	78	8	2	8	33	53	6	5	7	3	2	21	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Luteolibacter
Otu265	1	0	1	7	0	20	0	7	58	0	0	32	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu266	17	8	38	37	21	79	49	83	79	51	34	33	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu267	42	28	27	59	30	68	51	81	75	68	30	15	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu260	45	75	62	86	33	73	85	59	52	75	45	31	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu261	73	181	80	135	86	118	91	67	37	90	141	21	Bacteria; Acidobacteria; iii1-8; DS-18
Otu262	91	3	1	8	0	2	0	3	0	0	1	23	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu263	13	79	27	39	53	81	78	71	54	49	89	27	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu116	63	165	78	202	50	113	111	76	80	78	211	36	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu117	50	87	71	92	126	137	178	93	51	41	80	55	Bacteria; Firmicutes; Bacilli; Bacillales; Planococcaceae
Otu114	57	25	59	286	19	96	43	17	8	21	14	42	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Rhizobium
Otu115	0	0	0	0	23	151	11	2	9	14	7	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu112	15	18	14	77	8	163	11	6	7	12	28	10	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu113	135	130	123	247	85	351	162	232	202	146	160	75	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu110	86	70	90	209	69	154	91	105	52	131	86	42	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu111	61	16	72	84	22	198	25	26	34	21	28	25	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1855	0	1	1	2	2	4	0	2	2	0	8	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu1854	0	0	0	1	4	3	0	1	1	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1857	0	0	0	0	0	7	4	0	1	0	2	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu1856	0	2	1	3	5	1	2	6	1	3	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1851	2	0	0	2	0	6	0	7	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1850	0	1	2	2	6	3	3	6	7	2	1	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu118	101	186	146	99	64	98	88	155	75	168	150	60	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu119	88	2	0	167	11	9	98	7	19	2	1	87	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu286	9	71	24	30	52	93	9	10	3	20	36	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu287	28	17	33	47	24	48	68	81	80	42	54	50	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu284	24	102	39	41	71	68	72	27	21	21	47	25	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu285	5	113	3	9	1	0	4	2	0	2	4	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu282	56	0	0	0	2	0	0	2	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu283	28	26	35	63	25	98	37	33	41	18	34	48	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae; Nocardioides
Otu280	44	7	84	58	9	84	10	14	2	3	0	42	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas
Otu281	48	21	33	61	23	36	50	75	32	79	88	10	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2397	2	0	3	3	1	4	1	1	2	3	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2396	0	2	0	0	1	0	1	1	1	1	3	0	Bacteria; BRC1; PRR-11
Otu2395	2	4	0	2	0	0	0	0	0	2	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu2394	0	0	1	2	3	0	0	0	0	6	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2393	0	6	3	3	1	6	3	0	1	1	3	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2392	0	0	0	0	0	0	0	1	0	0	3	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu288	53	0	5	44	13	63	2	6	0	1	4	39	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu289	77	78	56	94	34	136	53	40	40	17	30	41	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu2551	1	0	2	1	0	4	2	4	3	4	4	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2550	0	6	0	4	2	2	3	2	1	4	2	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2553	0	1	0	0	0	2	1	1	3	0	0	1	Bacteria; Acidobacteria; DA052; Ellin6513
Otu2552	3	2	0	1	1	3	1	0	0	0	1	2	Bacteria; Gemmatimonadetes; Gemm-5
Otu2555	3	6	2	2	1	8	1	2	1	0	1	0	Bacteria; Verrucomicrobia; Opiritales; Opiritaceae
Otu2554	4	1	0	3	0	6	0	2	2	1	4	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2557	0	1	0	0	4	1	0	1	1	4	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2556	0	2	0	0	2	6	0	1	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2559	0	4	0	0	0	5	0	0	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2558	0	0	1	0	0	0	0	0	3	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu4103	0	2	0	0	2	0	1	1	0	0	2	0	Bacteria; Acidobacteria; iii1-8; SJA-36
Otu4302	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria
Otu4102	0	0	0	1	2	1	0	0	1	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales
Otu4033	0	0	0	0	0	1	1	2	0	2	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4240	1	0	1	0	0	1	2	0	1	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1929	0	3	3	0	2	4	1	2	3	2	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1928	0	2	2	3	2	9	0	1	1	2	2	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3368	0	1	1	2	0	0	1	1	1	1	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacteriales
Otu1921	7	2	4	5	1	0	0	2	0	1	3	2	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1859	6	2	0	1	4	5	1	7	1	3	1	0	Bacteria; OD1; SM2F11
Otu1923	1	5	0	5	2	5	2	0	0	0	0	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1922	2	2	5	7	1	11	5	3	2	0	0	0	Bacteria; TM7; SC3
Otu1925	119	166	118	251	188	319	223	293	225	251	281	90	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1924	6	7	5	9	11	6	10	19	7	15	11	12	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1927	0	4	0	0	2	0	0	0	0	0	4	0	Bacteria; TM7; SC3
Otu1858	0	0	1	3	2	10	0	1	0	3	1	0	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu840	1	4	6	12	1	4	1	4	2	7	1	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu841	0	11	3	1	12	3	4	0	5	0	17	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu842	0	1	1	1	0	5	0	10	23	0	6	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu843	0	5	2	2	0	2	5	1	1	1	13	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu844	2	1	3	6	3	6	2	0	3	15	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu845	0	0	0	13	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Nevskia
Otu846	0	0	3	0	4	5	0	3	0	0	1	16	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu847	8	5	22	19	13	37	7	15	24	26	34	7	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu848	13	0	7	14	3	22	1	3	6	2	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu849	23	39	27	42	17	25	30	20	6	21	39	8	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3165	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu3164	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3163	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Planctomycetes; Planctomycetia
Otu3162	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu3161	0	0	0	0	2	1	2	0	0	1	4	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacteriales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3160	2	18	3	5	15	43	13	12	12	1	24	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2790	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu4035	0	0	0	0	0	2	0	0	2	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Criblamydiaceae
Otu3092	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu4031	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu1635	2	3	4	9	1	5	1	2	5	3	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1583	1	1	8	3	2	7	5	5	5	8	6	4	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu1637	3	3	2	2	1	6	5	2	2	3	2	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1636	0	3	0	1	2	0	0	0	0	2	4	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1631	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1630	1	1	0	0	0	0	1	0	0	5	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1633	0	0	0	0	0	5	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1582	2	0	1	7	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2168	2	0	0	0	0	0	0	0	0	0	1	3	Bacteria; TM6
Otu2169	1	3	2	5	2	10	5	2	1	7	10	6	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1852	0	3	0	0	5	1	0	1	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1639	2	0	0	1	2	4	0	0	0	5	4	1	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1581	3	4	3	9	3	9	7	13	4	9	10	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu4245	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1580	4	7	1	8	1	8	6	0	5	3	4	1	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu2139	3	1	0	0	0	5	0	0	0	0	1	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu1587	6	1	5	3	2	9	5	6	3	5	3	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2138	0	1	0	0	1	3	3	0	0	0	7	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1586	0	0	0	0	0	0	0	0	5	1	0	0	Bacteria; OD1; ZB2
Otu3119	0	0	0	0	2	2	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu1585	0	1	0	0	0	0	6	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1584	5	6	0	4	0	2	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu4037	1	0	0	2	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3941	0	0	2	4	0	3	1	0	0	1	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu3940	0	0	0	0	0	0	0	1	0	2	0	0	Bacteria
Otu3943	2	5	0	4	19	31	15	27	16	7	8	10	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu3942	0	3	0	0	0	0	4	7	1	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3945	0	0	0	2	0	0	0	1	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2399	1	2	2	1	0	0	4	2	0	1	1	0	Bacteria
Otu3947	0	1	0	1	0	0	2	1	0	0	2	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu3946	0	3	1	0	0	0	1	0	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3949	0	2	0	0	0	0	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae
Otu2133	5	1	8	3	4	3	1	0	0	1	0	2	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu2398	1	1	0	3	0	2	3	0	0	0	1	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu2132	0	0	0	0	0	5	0	0	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu4388	1	0	2	0	0	0	0	0	0	0	0	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3113	0	1	0	4	0	1	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae
Otu420	12	41	11	12	13	7	24	8	4	5	12	5	Bacteria; Acidobacteria; S055
Otu1701	2	1	4	4	0	4	1	1	1	0	0	1	Bacteria; Chloroflexi; C0119

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1700	2	5	4	1	1	1	5	4	3	5	6	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1703	0	0	0	0	1	0	1	0	1	6	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1702	2	3	0	0	0	1	4	0	0	0	0	0	Bacteria
Otu1705	1	2	6	6	1	3	5	0	0	0	5	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1704	0	0	7	0	3	1	1	0	0	0	0	0	Bacteria; Chlorflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu1707	0	0	7	12	0	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu1706	0	0	1	0	0	5	2	1	7	2	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1709	0	0	0	0	0	0	0	0	0	1	4	0	Bacteria
Otu1708	0	0	0	1	0	0	0	4	1	0	0	0	Bacteria; Chlorflexi; Ktedonobacteria; TK10
Otu2016	0	3	1	1	0	5	4	6	0	0	2	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2017	0	0	9	9	2	0	3	5	4	0	3	1	Bacteria
Otu2010	0	0	2	3	0	1	1	4	3	8	5	1	Bacteria; OD1; SM2F11
Otu2011	1	2	0	0	0	5	1	0	3	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu2012	0	0	0	0	0	2	0	0	0	7	1	0	Bacteria
Otu2013	1	0	0	0	4	2	3	1	0	0	2	3	Bacteria; OD1; SM2F11
Otu3387	0	1	0	1	0	0	0	3	0	1	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3386	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3385	0	1	0	0	0	0	2	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3384	2	0	0	2	0	0	2	0	0	2	0	0	Bacteria
Otu3383	1	2	2	5	0	1	5	4	2	1	4	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2391	0	0	0	0	0	0	0	3	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3381	1	0	0	0	0	1	2	1	0	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3380	0	0	0	2	0	1	0	0	0	0	0	0	Bacteria
Otu4039	1	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2390	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu4232	0	1	0	2	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; TK10
Otu3389	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3388	1	1	0	1	1	1	0	2	2	2	3	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu706	10	15	24	22	24	10	6	9	5	3	3	31	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu3980	0	0	0	0	0	1	0	0	0	0	0	2	Bacteria
Otu4109	1	0	0	1	0	0	0	0	0	0	3	0	Bacteria; WS2; SHA-109
Otu1446	0	1	3	0	5	6	1	0	1	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1447	3	1	1	1	1	0	3	5	0	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu1444	2	0	1	1	0	9	2	0	1	4	3	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1445	3	0	0	5	1	7	1	2	1	1	0	5	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1442	0	0	0	1	0	0	0	0	1	0	6	1	Bacteria; OD1; ZB2
Otu1443	2	1	4	5	12	6	6	5	7	4	9	3	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu1440	1	1	1	9	0	3	4	4	9	1	3	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1441	0	0	0	5	2	5	1	3	0	1	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1448	0	0	0	0	0	5	2	0	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1449	5	27	10	20	11	18	11	9	4	30	26	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3983	0	0	0	0	0	0	0	0	0	0	1	2	Bacteria; TM7; TM7-1
Otu4342	0	0	3	0	0	0	1	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Asticcacaulis
Otu4218	0	4	1	1	0	0	1	1	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2699	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3539	1	0	0	3	1	1	1	1	2	0	0	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae
Otu4409	0	0	0	0	0	1	2	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae
Otu4408	0	0	0	2	0	4	1	4	1	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu2413	0	0	0	0	0	3	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2838	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu2839	4	7	6	9	3	10	12	10	15	23	8	12	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2836	13	31	15	27	41	44	30	41	21	23	44	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2837	1	1	0	0	2	0	2	0	0	0	3	0	Bacteria; Planctomycetes; BD7-11
Otu2834	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu2835	0	0	1	1	2	10	1	6	3	3	3	1	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2832	0	0	2	2	0	2	4	0	0	2	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu2833	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2830	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2831	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu3667	2	0	0	0	0	0	1	0	0	3	0	0	Bacteria; Bacteroidetes
Otu3141	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4216	1	0	0	2	0	3	2	0	3	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4371	6	0	4	0	0	4	1	0	0	2	0	1	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu3537	37	59	28	19	25	63	42	71	30	41	39	15	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4210	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes
Otu3666	0	0	0	0	0	1	0	0	0	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4211	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu2942	0	2	1	2	0	0	1	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Sediminibacterium
Otu2943	3	0	0	0	0	0	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu2940	12	2	0	2	0	10	1	0	0	0	0	0	Bacteria; Cyanobacteria; Nostocophycidae; Nostocales; Nostocaceae
Otu2941	2	14	5	4	4	4	13	3	7	7	8	5	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2946	2	0	3	2	0	1	0	0	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2947	0	0	0	0	0	0	0	0	1	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2944	0	2	1	2	3	2	0	1	0	3	8	1	Bacteria; OP3; koll11
Otu2945	1	5	0	2	1	5	3	0	0	3	3	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu2948	2	2	0	1	1	3	1	5	4	1	1	2	Bacteria; Chloroflexi; TK10
Otu2949	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SJA-15
Otu4370	0	0	0	0	0	2	1	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu3563	0	5	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3562	1	2	1	2	0	1	1	1	0	2	2	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Kineosporiaceae
Otu3561	1	2	0	0	0	0	1	1	3	1	2	0	Bacteria; TM7; SC3
Otu3560	1	0	0	3	0	6	3	3	1	1	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu3567	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria
Otu3566	0	3	5	1	1	0	0	2	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3565	0	1	0	0	1	0	0	0	0	0	0	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu3564	1	1	0	0	0	2	0	3	0	1	1	0	Bacteria
Otu3569	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu3568	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4085	0	0	0	2	0	1	0	0	0	0	0	0	Bacteria; Chloroflexi; TK17
Otu4084	0	2	0	0	0	0	1	0	0	0	1	0	Bacteria; Acidobacteria; S035
Otu4087	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae; Oscillospira
Otu4086	0	0	1	4	0	1	0	0	0	2	1	0	Bacteria; OD1; ZB2
Otu4081	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu4080	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu4083	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu4082	0	3	2	2	4	1	0	1	1	2	6	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu538	13	29	15	13	17	29	46	68	46	25	12	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4251	2	1	2	1	6	3	0	1	3	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu3571	0	0	0	6	0	3	0	0	0	0	1	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4088	0	0	0	2	0	0	0	1	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae; Dunaliella; Dunaliella_tertiolecta
Otu539	15	21	16	26	3	10	8	13	4	29	11	10	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu2262	5	3	0	1	0	0	3	0	0	2	9	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2617	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4376	0	2	0	0	0	0	0	1	1	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3781	0	0	1	1	2	1	3	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2766	8	6	4	8	2	5	10	6	3	4	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Phenylobacterium
Otu2767	1	3	1	0	1	2	0	1	0	1	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2764	0	1	1	1	0	4	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2765	0	0	0	0	0	3	0	1	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu2762	70	55	47	79	31	94	52	28	17	101	27	6	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2763	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2760	0	3	0	3	3	0	1	2	0	2	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2761	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Chloroflexi
Otu530	36	23	27	29	41	91	25	18	10	34	16	6	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu4343	0	1	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2768	4	0	2	1	2	1	0	0	0	2	0	5	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu531	1	26	0	0	2	14	0	3	8	3	5	3	Bacteria; Verrucomicrobia; Opitutae; Cerasicoccales; Cerasicocaceae
Otu3499	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu4214	2	0	0	0	0	0	0	2	0	0	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu3780	0	0	0	0	0	2	0	0	0	1	0	0	Bacteria
Otu471	0	0	0	0	14	36	1	27	6	0	0	3	Bacteria; Acidobacteria; DA052; Ellin6513
Otu470	0	0	2	3	1	1	8	36	1	1	11	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu473	2	0	0	6	1	9	5	15	9	4	5	44	Bacteria; Acidobacteria; Holophagae; Holophagales; Holophagaceae
Otu472	20	39	11	5	2	22	10	11	4	4	18	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu475	11	22	14	52	10	32	14	6	7	41	8	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu474	5	5	9	13	22	71	10	11	11	16	10	14	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu477	23	16	32	29	13	14	21	17	22	30	27	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu476	0	2	5	0	12	37	2	0	4	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae; Elbe; Elbe_Iso18
Otu479	10	7	1	36	1	17	5	22	16	2	14	21	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu478	1	35	10	10	21	1	16	1	3	4	35	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1158	0	0	1	7	3	9	3	6	3	0	2	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1159	6	5	5	7	3	5	8	9	6	1	3	7	Bacteria; Proteobacteria; Betaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3491	4	1	0	4	0	9	1	2	1	6	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu4117	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu1150	2	3	8	7	23	10	6	6	1	27	5	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu1151	9	6	8	3	4	14	8	5	4	3	8	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Skermanella
Otu1152	0	3	2	0	4	1	0	2	0	4	8	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1153	2	6	3	8	7	15	12	0	2	9	15	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1154	15	5	17	56	10	38	14	2	8	17	2	6	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae; Terriglobus
Otu1155	0	0	0	0	0	11	0	0	0	0	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu1156	0	0	0	0	0	0	10	0	0	0	0	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Veillonellaceae; Veillonella; Veillonella_dispar
Otu1157	4	4	3	3	5	7	3	7	4	3	9	4	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu619	8	35	15	15	5	18	31	10	5	9	29	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu618	4	6	11	4	5	9	7	2	2	2	25	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu2492	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria
Otu2493	0	0	3	0	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2495	0	1	0	3	0	0	5	0	0	0	1	0	Bacteria; Acidobacteria; iii1-8; DS-18
Otu2496	0	1	0	1	0	3	3	2	1	7	5	0	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu2497	1	0	0	4	3	0	1	2	0	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu611	8	12	9	8	12	3	4	9	4	24	12	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu610	21	10	16	33	6	16	15	5	22	16	14	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu613	11	16	14	18	8	17	21	9	6	13	35	1	Bacteria; Chloroflexi; Anaerolineae; SHA-20
Otu612	4	6	19	22	0	6	9	26	11	7	6	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu615	1	11	2	26	3	3	17	15	11	0	8	3	Bacteria; Chlamydiae; Chlamydia; Chlamydiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu614	21	16	15	25	15	24	15	24	13	12	12	26	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu617	6	13	11	11	8	20	5	12	19	5	9	9	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu616	8	3	4	8	5	25	3	4	1	0	6	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu4116	1	5	1	2	0	0	0	1	0	1	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3871	4	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3206	2	0	0	3	0	8	0	0	2	0	4	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu3709	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu3708	0	0	0	1	1	1	0	0	0	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3703	0	1	0	2	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3702	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Blattabacteriaceae
Otu3701	6	0	2	4	6	8	2	2	1	8	3	11	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3700	0	0	0	5	2	4	0	0	1	1	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3707	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu3706	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria
Otu3705	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3704	2	3	2	8	11	14	5	5	6	8	25	1	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu4115	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu279	17	72	20	20	25	29	18	9	8	17	14	3	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu278	11	6	49	51	82	67	31	26	62	62	40	10	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu273	53	14	2	12	16	25	0	8	8	3	2	63	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Emticicia
Otu272	5	30	24	17	15	27	40	38	17	9	68	6	Bacteria; Gemmatimonadetes; Gemm-1
Otu271	30	39	38	113	51	212	77	178	102	90	99	58	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu270	35	27	60	61	6	75	38	24	39	6	10	48	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiales
Otu277	1	12	6	13	4	4	32	5	3	34	6	88	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus; Paenibacillus_chondroitinus
Otu276	59	38	45	146	46	115	66	68	72	54	29	73	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu275	13	17	12	3	24	60	6	10	8	4	16	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu274	36	3	5	50	59	14	3	18	0	0	7	1	Bacteria; Bacteroidetes
Otu105	44	61	97	126	75	190	25	30	54	3	53	21	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu104	248	149	187	308	150	339	355	416	245	256	242	103	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu107	27	12	27	96	18	242	44	16	9	15	5	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu106	64	89	127	139	92	219	96	154	139	82	130	146	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu101	149	1	2	0	8	1	3	0	1	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Nannocystaceae; Nannocystis; Nannocystis_exedens
Otu100	113	110	160	275	92	268	217	330	279	160	202	116	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu103	133	116	189	202	118	89	170	196	162	234	204	118	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu102	80	113	94	121	102	101	205	148	90	176	147	55	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu1842	0	4	2	0	1	4	0	3	1	2	3	0	Bacteria
Otu1843	0	0	0	0	0	0	1	1	5	1	7	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1840	6	0	0	0	0	7	0	0	2	1	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Actinoplanes
Otu1841	8	5	6	8	0	8	16	14	10	3	9	4	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae; Edaphobacter; Edaphobacter_modestum
Otu109	46	0	3	140	0	7	2	28	24	0	1	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu108	189	185	148	179	147	398	121	175	128	240	119	66	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu1844	0	7	2	2	6	0	1	1	0	0	7	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1845	0	1	3	0	0	3	4	2	1	1	13	1	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu295	18	85	38	47	36	46	32	46	38	71	39	14	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu294	38	39	14	34	35	51	38	55	56	51	70	20	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu297	18	8	54	71	41	23	24	10	13	22	8	186	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Prosthecobacter
Otu296	16	7	46	34	6	32	69	53	46	67	22	29	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu291	16	61	29	45	38	69	34	58	30	41	65	14	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu290	40	38	32	28	30	71	60	65	37	110	38	25	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu293	43	49	30	52	46	75	54	50	34	32	59	61	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu292	50	58	59	60	26	71	96	91	61	101	71	22	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2384	3	2	4	2	4	2	2	3	2	0	4	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2385	0	0	0	2	2	6	0	1	1	3	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2386	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2292	0	1	2	0	0	1	2	2	2	0	2	4	Bacteria; Proteobacteria; Deltaproteobacteria; Sva0853; JTB36
Otu299	19	62	45	32	63	51	60	56	28	90	49	30	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu298	3	3	2	59	32	69	3	1	56	4	17	9	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Zoogloea
Otu2382	10	1	6	18	3	3	7	3	12	12	3	17	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu2383	0	0	0	0	0	1	0	0	1	3	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu3017	3	8	3	3	4	7	6	5	5	9	14	0	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu3016	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu3015	38	25	20	70	20	78	18	56	42	46	57	29	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3014	3	1	5	4	2	3	3	2	2	3	1	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardia; Pseudonocardia
Otu3013	2	3	4	2	2	3	2	2	4	0	19	0	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Dechloromonas
Otu2548	12	17	8	8	3	9	10	6	14	2	4	8	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2549	0	4	0	2	4	1	0	1	0	1	3	2	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j; NB1-i

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2546	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu2547	2	5	1	3	8	3	3	0	0	0	5	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2544	0	0	0	0	0	1	0	0	0	0	0	3	Bacteria; Bacteroidetes
Otu2545	0	0	0	0	5	7	0	1	0	6	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2542	3	5	1	1	2	10	3	8	3	1	5	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2543	0	0	0	3	0	1	1	1	4	1	5	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2540	0	0	0	0	0	0	0	0	0	2	0	6	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2541	6	4	0	2	1	2	1	0	1	0	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu325	13	39	14	18	26	16	46	41	30	54	52	13	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3363	0	0	1	2	0	5	0	3	1	1	2	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu324	0	1	3	2	19	52	17	30	29	0	8	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu4237	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3872	0	1	3	0	0	0	0	0	1	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales
Otu1926	1	5	0	4	4	2	0	0	0	3	6	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu327	12	51	0	2	0	0	1	0	1	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1936	1	0	0	1	2	13	1	0	1	1	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacterales; Ktedonobacteraceae
Otu1937	0	3	0	4	1	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu1934	2	3	2	4	1	6	1	2	0	2	2	1	Bacteria; Armatimonadetes; OPB50
Otu326	29	54	33	49	23	37	54	22	9	31	58	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1932	0	1	1	2	4	5	4	2	0	1	6	1	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1933	1	3	4	4	0	1	1	4	6	4	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1930	0	1	0	0	0	1	0	1	0	0	6	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1931	27	26	21	51	16	43	23	16	7	18	1	19	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu3490	2	0	1	0	0	0	0	3	0	3	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu321	50	54	50	79	30	97	69	100	55	75	52	30	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu4112	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae; Faecalibacterium; Faecalibacterium_prausnitzii
Otu1938	0	0	0	0	2	0	1	0	0	0	6	0	Bacteria; OD1; ZB2
Otu320	27	48	26	63	47	130	44	100	99	26	71	36	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae
Otu3378	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi; Chloroflexi; AKIW781
Otu3379	1	0	2	0	0	1	0	2	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae
Otu323	40	44	36	69	17	110	82	90	66	58	59	22	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3372	0	0	0	0	0	0	0	1	0	0	0	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3373	0	0	0	2	0	0	0	0	0	1	0	0	Bacteria
Otu3370	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu322	1	50	4	23	0	2	7	8	16	7	15	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3376	0	3	0	0	3	5	1	4	2	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3377	0	1	2	0	3	2	0	2	2	1	3	0	Bacteria; AD3; ABS-6
Otu3374	1	5	0	0	1	2	2	0	0	1	1	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu3375	0	0	1	2	0	1	2	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3178	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia
Otu3169	0	1	0	0	0	0	0	0	2	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu859	13	15	11	50	14	55	14	26	14	11	9	7	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu858	23	71	28	41	91	124	54	61	48	54	92	23	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu857	0	3	2	6	17	2	9	6	1	4	8	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu856	0	0	0	0	0	12	0	0	3	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu855	116	123	108	199	118	116	128	36	59	156	112	75	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Rubrivivax
Otu854	16	4	7	5	0	10	8	10	5	12	6	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu853	5	26	27	34	17	22	12	13	23	26	41	12	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu852	7	9	8	11	5	26	8	6	7	0	7	13	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae; Cryocola
Otu851	0	2	1	3	0	14	0	11	6	0	1	4	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu850	3	5	3	4	14	10	5	1	1	11	15	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3167	0	0	0	0	0	0	1	2	0	0	0	0	Bacteria
Otu4235	2	0	1	1	0	1	0	0	0	2	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4426	3	0	2	0	0	4	0	1	0	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3166	49	35	49	58	36	60	67	80	64	59	41	22	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu4137	1	2	0	2	0	1	2	0	0	0	2	2	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu4110	1	10	3	1	3	2	3	0	0	0	3	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu2859	2	1	0	0	0	0	1	0	0	0	0	0	Bacteria
Otu3788	2	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu4018	0	1	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1622	0	0	0	2	0	4	0	0	0	1	0	0	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu1623	0	0	0	0	0	1	0	0	0	0	4	0	Bacteria
Otu1620	6	5	3	3	3	7	2	4	4	3	14	3	Bacteria; Chloroflexi
Otu1621	8	25	5	14	8	32	7	5	5	27	22	6	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1626	3	7	4	5	5	8	5	8	3	2	3	1	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu1627	4	2	2	2	1	7	0	1	6	5	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1624	3	3	1	2	2	3	2	1	5	0	4	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1625	2	0	2	6	0	4	3	12	4	1	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2155	1	0	0	0	0	0	0	3	1	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2154	0	4	1	0	0	3	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1629	3	2	2	4	3	8	2	1	3	9	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2151	0	5	0	0	5	5	2	5	3	3	15	0	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu2150	0	1	1	3	3	5	1	3	1	0	1	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2153	0	0	0	0	0	0	0	4	3	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2152	4	0	1	8	1	3	0	3	4	0	2	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2498	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu4233	0	0	1	3	0	1	0	2	0	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae; Singulisphaera; Singulisphaera_rosea
Otu4012	0	0	0	0	0	0	0	2	0	1	0	0	Bacteria; TM7
Otu2455	0	0	0	0	0	0	3	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2499	0	0	0	0	0	4	0	0	0	0	1	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu4272	0	2	0	0	0	0	0	0	1	0	0	0	Bacteria; OD1; SM2F11
Otu3958	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; NKB19
Otu3629	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3956	0	0	2	7	3	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu3957	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Sphingobacterium
Otu3954	8	15	8	46	4	18	13	7	7	2	11	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3955	3	2	1	3	0	1	1	0	0	1	2	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3952	0	0	1	1	2	1	0	0	3	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3953	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria
Otu3950	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3951	0	3	0	0	0	1	0	0	1	0	0	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3371	0	3	1	0	0	1	0	0	0	0	2	0	Bacteria
Otu2029	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria
Otu2028	0	2	0	1	0	0	3	0	0	0	1	0	Bacteria; WS3; PRR-12; Sediment-1
Otu3840	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu1718	0	0	0	0	0	1	0	2	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1719	0	5	2	7	6	15	5	2	6	5	1	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1716	2	3	2	1	1	0	1	1	4	2	1	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1717	10	19	11	35	23	32	7	10	5	14	27	9	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1714	3	1	1	9	1	9	2	6	3	4	6	1	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1715	0	1	6	4	5	2	14	4	4	2	6	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1712	0	0	0	0	3	9	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1713	0	5	0	4	1	2	1	0	0	0	4	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1710	0	0	0	0	4	7	0	3	5	0	2	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1711	4	6	8	4	7	6	9	4	9	7	9	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu3394	0	0	3	0	3	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3395	0	0	0	0	0	2	0	0	2	0	0	1	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3396	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3397	0	2	0	0	0	5	0	0	0	0	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3390	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3391	19	38	31	60	35	42	48	50	56	31	84	20	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu3392	2	0	2	2	1	0	0	4	0	1	0	0	Bacteria; Proteobacteria
Otu3393	0	0	0	2	2	2	1	0	1	4	1	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3740	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3398	1	0	0	0	2	0	0	3	0	2	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu3399	0	0	0	0	0	0	0	3	0	0	2	0	Bacteria; Proteobacteria
Otu3841	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu3625	0	0	0	1	0	2	0	0	2	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1433	3	2	3	6	8	9	14	18	12	0	14	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1432	0	9	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Oceanospirillales
Otu1431	2	4	0	5	1	4	0	1	0	0	2	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1430	0	4	0	0	1	6	0	0	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; A31; S47
Otu1437	0	8	1	7	1	3	2	2	2	9	4	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1435	0	0	0	0	0	9	0	2	0	5	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1434	0	0	0	0	0	1	0	0	1	6	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu1439	0	0	0	0	0	6	0	0	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu1438	0	3	1	5	0	2	12	3	2	7	1	3	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Rhodanobacter
Otu1121	2	6	2	3	2	9	3	10	1	1	4	1	Bacteria
Otu1120	8	7	7	14	9	39	13	16	6	22	17	12	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2849	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu2848	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Verrucomicrobia
Otu3407	0	2	0	0	1	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2843	0	2	0	0	0	0	0	0	1	0	0	1	Bacteria; Verrucomicrobia; Methylocidiphilae; S-BQ2-57
Otu2842	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu2841	0	3	1	0	0	1	0	0	1	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptococcaceae; Desulfosporosinus; Desulfosporosinus_meridiei
Otu2840	0	0	0	1	3	0	0	0	0	0	0	0	Bacteria
Otu2847	2	7	2	2	0	2	3	2	3	4	1	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu2846	2	4	3	3	1	1	4	3	4	2	4	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2845	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu2844	3	5	0	2	2	5	2	1	0	0	2	2	Bacteria; TM7; TM7-1
Otu4306	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu400	24	41	23	29	25	29	23	17	20	30	43	16	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1389	8	0	0	1	7	1	0	1	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Entomoplasmatales
Otu1388	1	5	2	17	2	4	5	3	1	1	4	1	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu401	23	5	12	20	14	61	11	21	28	36	14	28	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1385	4	0	0	3	1	4	0	1	1	2	1	14	Bacteria
Otu1384	3	0	1	1	3	6	0	0	1	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales
Otu1387	10	30	16	18	5	7	12	8	5	8	24	9	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1386	0	0	0	1	1	2	0	7	1	12	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1381	7	2	3	5	4	16	0	3	7	0	1	10	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilimelia
Otu1380	13	13	18	20	18	35	25	22	19	17	21	19	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1383	0	0	0	0	0	2	1	1	0	6	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1382	0	6	3	11	2	8	19	6	6	8	3	4	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2160	1	1	3	3	0	3	1	0	1	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1549	1	0	1	5	0	5	3	2	2	0	3	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae
Otu1548	8	9	10	7	3	3	2	2	3	3	10	1	Bacteria
Otu1547	0	0	1	6	2	2	0	3	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Xanthobacteraceae
Otu1546	6	3	0	1	7	1	1	0	0	0	0	0	Bacteria; Chlorobi
Otu1545	0	0	1	0	3	3	0	7	0	4	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1544	0	0	0	0	0	6	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu1543	2	8	2	0	0	1	1	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1542	0	6	1	1	0	0	0	0	1	1	4	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu1541	0	0	0	0	0	1	1	8	0	1	3	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Promicromonosporaceae; Cellulosimicrobium
Otu1540	2	2	0	7	0	2	0	0	0	1	4	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1554	3	10	5	19	2	3	12	1	1	1	7	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu2163	0	0	0	0	0	2	0	1	1	3	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu4325	3	0	1	2	2	1	2	3	2	0	0	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Chthoniobacter
Otu1555	0	1	3	3	0	1	0	1	2	5	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2164	1	0	0	0	3	1	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu2738	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfobacterales; Desulfobulbaceae; Desulfobulbus
Otu1556	1	0	0	10	3	4	1	0	5	4	4	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2165	3	1	0	0	0	0	0	0	0	1	0	1	Bacteria; Bacteroidetes
Otu3570	2	0	2	0	0	2	2	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae
Otu149	19	110	30	94	109	81	38	32	18	21	64	22	Bacteria; Chloroflexi; Anaerolineae; A31
Otu3572	0	0	0	0	0	0	1	0	0	3	0	0	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu1557	2	0	2	3	0	6	1	3	0	6	0	5	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3574	1	2	1	1	2	0	2	0	0	0	4	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu2166	0	3	0	0	0	0	0	1	0	0	0	0	Bacteria; Armatimonadetes; SHA-37
Otu3576	0	0	1	0	0	1	0	0	2	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptococcaceae; Desulfosporosinus; Desulfosporosinus_meridiei
Otu148	47	50	25	133	23	78	36	12	10	43	27	23	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3578	1	0	1	0	1	2	1	0	0	2	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1550	2	2	0	2	5	7	2	2	8	4	5	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1632	0	0	0	0	0	1	0	1	4	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1498	0	1	3	6	1	1	2	3	3	0	0	1	Bacteria; TM6; SJA-4
Otu4092	0	0	0	0	0	0	0	0	3	0	0	0	Bacteria
Otu4093	0	0	2	0	1	0	0	0	0	0	2	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu4090	3	0	4	4	4	11	0	4	3	3	1	9	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu4091	0	0	0	1	2	1	0	0	0	0	1	0	Bacteria
Otu4096	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu1552	0	6	1	3	1	1	4	2	1	2	9	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu4094	1	4	0	2	1	1	1	0	0	1	2	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu4095	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia
Otu888	0	2	0	0	0	3	0	15	0	0	0	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu4098	0	0	0	0	2	1	0	2	1	1	3	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1553	0	0	0	9	1	0	2	2	1	2	1	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu889	1	8	2	2	3	11	23	11	14	11	24	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu1099	5	3	3	3	5	12	4	6	15	3	6	3	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Phenyllobacterium
Otu1098	0	10	8	4	0	3	13	7	4	1	8	1	Bacteria; Proteobacteria; Betaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1091	5	7	8	20	19	26	10	9	6	15	17	6	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1090	4	3	1	4	3	3	1	10	14	7	3	5	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1093	1	2	7	2	0	4	3	2	1	11	7	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1092	5	0	3	3	0	11	2	2	3	2	4	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1095	2	8	6	9	5	9	3	10	9	7	9	1	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1094	1	4	3	0	9	3	0	0	0	0	21	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu1097	0	19	8	2	24	9	10	3	5	0	18	1	Bacteria; Planctomycetes; C6; MVS-107
Otu1096	0	8	2	4	5	8	2	0	0	3	9	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu4416	41	13	5	11	8	7	12	8	5	19	11	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu668	25	76	28	28	22	22	14	7	6	10	33	8	Bacteria; Chloroflexi; Ellin6529
Otu4414	0	0	0	0	0	2	0	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu4415	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu4412	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4413	0	2	1	0	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4410	0	2	1	1	5	2	1	1	0	1	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu669	12	28	6	14	10	14	17	14	4	10	11	3	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Solirubrobacteraceae
Otu3674	0	0	0	0	2	0	0	0	0	0	1	0	Bacteria; Armatimonadetes; SJA-176; RB046
Otu4238	2	0	0	0	0	0	1	5	0	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae
Otu4419	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2713	2	0	0	0	2	1	0	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2712	0	0	0	0	1	3	0	0	0	0	0	0	Bacteria
Otu598	23	26	22	29	16	25	19	31	17	13	21	25	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu599	0	0	1	0	1	10	0	0	0	4	1	26	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu2717	6	4	0	9	4	1	3	1	1	2	1	6	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Cohnella
Otu2716	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2715	7	0	0	10	1	3	3	2	0	0	1	7	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu2714	0	2	3	2	0	5	0	2	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu592	3	2	4	0	7	26	0	1	15	2	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu593	1	1	0	31	0	1	1	1	2	1	4	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; KD8-87
Otu590	17	47	23	54	32	51	31	20	30	26	54	13	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu591	0	4	6	12	7	31	10	7	5	3	12	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu596	16	17	10	42	16	51	14	34	17	17	12	8	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu597	17	10	22	28	18	6	11	17	11	17	8	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu594	5	2	2	24	8	0	2	1	7	3	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu144	121	62	110	198	44	250	97	87	85	87	46	128	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu147	9	26	11	31	42	139	49	124	59	31	53	19	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4422	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu146	25	115	15	128	57	19	63	4	6	14	31	7	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu4204	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu1165	0	1	5	10	0	0	0	1	2	4	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1164	26	16	11	17	7	26	22	6	5	13	10	11	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu1167	14	12	7	17	3	13	12	13	5	6	6	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1166	14	1	1	1	1	6	1	5	1	0	0	11	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1161	9	6	7	24	10	20	13	14	12	4	7	7	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1160	1	3	0	2	0	10	1	4	3	4	0	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1163	0	0	0	1	2	0	0	0	0	0	10	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu1162	3	4	5	9	1	5	2	2	1	8	8	1	Bacteria; Chloroflexi; C0119
Otu444	43	43	29	38	25	45	25	14	12	24	42	22	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu445	6	7	0	1	6	5	12	1	0	1	4	40	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu446	5	19	2	2	4	6	3	0	2	1	45	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu447	9	27	13	32	34	27	30	17	10	20	45	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1169	14	15	11	17	8	12	9	7	36	17	11	18	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1168	0	9	0	1	0	5	3	5	0	9	11	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu442	13	37	20	30	9	14	36	29	33	1	10	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu443	15	90	36	35	42	29	19	3	6	28	58	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1367	0	0	0	7	0	2	0	0	1	0	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu1366	3	3	0	2	8	12	0	1	9	0	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Aurantimonadaceae
Otu1365	0	0	0	0	0	0	0	0	6	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1364	1	0	0	10	1	3	0	1	0	8	2	5	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1363	5	1	3	2	1	10	0	2	1	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Devosia
Otu1362	11	3	2	3	4	3	0	4	5	0	1	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1361	1	6	1	8	5	8	3	5	1	3	9	0	Bacteria; Elusimicrobia; Elusimicrobia; Ilb
Otu1360	1	0	0	7	0	1	0	2	1	0	0	0	Bacteria; WPS-2
Otu1369	0	0	1	2	0	6	0	2	1	3	1	2	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu1368	3	1	0	2	4	8	2	3	2	3	2	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu2458	0	1	0	0	1	0	0	0	0	0	1	3	Bacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4307	0	0	0	0	0	0	0	1	0	0	2	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4304	0	0	0	1	2	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4305	2	0	1	0	0	0	0	0	0	2	1	1	Bacteria; Elusimicrobia; Elusimicrobia; Elusimicrobiales
Otu2629	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2628	0	1	2	3	3	10	2	3	2	4	5	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2627	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Bacteroidetes
Otu2626	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2625	5	1	4	3	2	1	4	1	0	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Phenylbacterium
Otu2624	0	1	0	0	2	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2623	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2622	0	0	0	0	1	2	4	1	1	3	0	0	Bacteria; TM7; SC3
Otu2621	1	0	1	0	0	4	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu2459	2	4	1	0	2	0	2	0	0	3	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3718	0	0	0	0	0	2	0	0	0	1	0	2	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu3719	0	0	1	1	0	1	1	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu4301	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu4300	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3710	42	24	30	51	13	16	34	17	9	84	32	25	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu3711	0	0	1	2	1	0	2	0	0	3	2	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu3712	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3713	0	1	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3714	1	0	3	0	0	1	0	0	1	2	3	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3715	0	0	0	0	0	2	0	0	2	0	1	0	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu3716	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; ODI; SM2F11
Otu3717	3	1	0	6	0	5	1	2	1	1	3	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu4265	1	8	0	4	4	3	1	1	0	1	11	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu4264	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6
Otu3857	2	1	0	9	1	18	0	1	2	3	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4267	0	2	2	2	3	1	0	5	0	5	7	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu130	70	24	17	47	33	152	24	9	4	2	16	2	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu131	41	51	41	192	49	103	58	57	70	28	19	146	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu132	1	3	5	1	2	118	1	5	11	1	0	8	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu133	10	52	38	17	22	232	14	82	12	13	26	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu134	44	143	52	109	49	52	100	120	86	121	160	31	Bacteria; Actinobacteria; Thermoleophilina; Gaiellales; Gaiellaceae
Otu135	78	68	74	147	68	184	75	77	61	69	67	20	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu136	33	84	56	52	66	184	53	44	29	118	67	39	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu137	96	76	104	237	48	168	191	129	97	39	67	43	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu138	125	1	2	11	5	5	1	11	2	1	0	8	Bacteria; Bacteroidetes
Otu139	62	48	64	165	29	140	59	65	93	56	66	33	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu4260	0	0	0	1	0	0	2	0	0	0	0	0	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu4263	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu918	12	14	7	6	10	7	9	15	8	8	4	5	Bacteria; Acidobacteria; Chloracidobacteria
Otu919	18	36	18	42	11	48	37	28	29	12	27	23	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu916	0	0	1	6	1	12	2	9	2	4	1	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu917	0	0	0	0	0	1	21	0	0	0	0	2	Bacteria; Firmicutes; Bacilli; Lactobacillales; Streptococaceae; Streptococcus
Otu914	0	0	0	12	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu915	0	4	0	1	1	1	1	0	0	2	14	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu912	3	5	1	7	1	10	5	2	4	8	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu913	6	21	5	8	10	2	10	2	1	16	8	1	Bacteria; Acidobacteria; Acidobacteria-5
Otu910	10	0	0	0	2	5	0	3	2	0	3	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu911	3	2	3	9	2	7	16	11	8	5	6	6	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu3004	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu3005	28	74	29	56	39	64	73	61	30	49	31	24	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_flexus
Otu2539	88	23	12	50	8	210	14	73	48	28	49	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2538	0	6	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Phaeospirillum; Phaeospirillum_fulvum
Otu3000	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia
Otu3001	1	3	0	4	2	1	2	3	3	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3002	0	0	2	13	5	0	0	1	0	0	0	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3003	12	6	7	20	10	15	15	20	20	37	17	13	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu2533	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu2532	0	2	2	1	3	6	2	4	0	0	4	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2531	4	0	3	0	1	2	1	0	0	0	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2530	0	0	0	2	1	2	1	0	0	1	8	0	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu2537	2	6	1	1	4	1	0	2	2	1	3	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2536	0	0	0	0	0	6	1	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2535	0	0	1	0	4	1	0	0	0	0	1	0	Bacteria; Acidobacteria; TM1

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2534	10	9	15	27	14	55	18	42	53	20	46	18	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu624	2	0	2	23	0	6	1	0	0	2	2	1	Bacteria; Proteobacteria
Otu625	19	1	9	21	5	5	4	3	4	4	2	5	Bacteria; Proteobacteria; Gammaproteobacteria
Otu626	17	25	14	29	12	46	10	24	20	14	17	14	Bacteria; Proteobacteria; Deltaproteobacteria
Otu627	4	7	5	11	9	18	10	10	0	21	8	6	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_cereus
Otu620	146	1	25	23	81	4	17	11	15	4	3	36	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu621	2	0	0	19	1	2	0	0	0	0	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu622	12	12	3	10	23	38	5	15	50	67	35	11	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Dechloromonas
Otu623	62	72	48	66	60	151	82	156	80	90	76	29	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2480	1	0	0	0	0	4	1	0	4	0	4	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu628	9	4	5	13	3	5	8	22	9	5	7	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu629	0	0	1	3	6	0	4	5	2	9	2	27	Bacteria; Verrucomicrobia; Pedosphaerae
Otu1943	0	4	0	0	2	0	1	0	0	1	1	1	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu1942	2	4	0	1	0	1	0	0	0	0	2	2	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1941	2	6	7	6	2	12	5	4	4	1	10	1	Bacteria; Chloroflexi; Ellin6529
Otu1940	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Beutenbergiaceae; Salana; Salana_multivorans
Otu1947	8	6	9	13	7	23	7	16	8	9	10	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1946	0	0	0	0	0	0	0	0	0	0	0	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1945	0	0	0	0	0	0	0	0	0	4	0	0	Bacteria; OD1
Otu1944	0	2	0	1	5	2	0	0	0	0	0	1	Bacteria; Bacteroidetes
Otu1949	0	9	5	9	4	0	5	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1948	0	0	0	5	6	0	0	1	2	2	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3494	0	0	0	5	0	2	1	3	0	2	1	6	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu4066	0	2	1	3	0	5	2	0	7	0	3	1	Bacteria; Acidobacteria; iii1-8; DS-18
Otu3944	0	1	0	1	0	0	2	0	1	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu2447	4	0	0	0	0	0	0	0	1	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu242	40	10	37	56	34	107	11	17	37	13	16	21	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu828	4	1	3	8	4	15	1	3	2	5	1	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu829	0	14	2	11	1	4	8	0	0	0	1	1	Bacteria; Gemmatimonadetes; Gemm-1
Otu2443	2	0	0	3	0	4	1	1	1	1	0	0	Bacteria; Proteobacteria; TA18; CV90
Otu2442	2	4	0	0	2	0	0	0	0	1	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2441	0	0	0	0	0	3	1	1	0	0	0	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu243	11	8	6	29	15	112	3	3	1	6	8	17	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Brucellaceae; Ochrobactrum
Otu822	3	21	6	10	22	33	7	19	18	10	16	5	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu823	3	3	3	4	3	15	6	5	4	9	4	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Geodermatophilaceae
Otu820	1	15	10	5	7	2	8	1	0	1	14	0	Bacteria; Chlorobi
Otu821	2	44	6	6	0	1	19	1	2	1	4	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu826	22	20	40	23	14	42	34	30	31	45	19	26	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu827	1	3	4	3	2	14	0	1	6	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu824	1	5	0	3	17	13	3	0	1	5	4	16	Bacteria; Proteobacteria; Betaproteobacteria
Otu825	20	8	11	20	6	43	6	9	23	15	18	5	Bacteria; Proteobacteria; Betaproteobacteria
Otu241	9	1	8	113	1	15	1	0	2	7	0	6	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu4061	0	1	1	1	0	0	2	1	0	0	0	0	Bacteria; Armatimonadetes; OPB50
Otu3948	0	0	2	0	0	0	0	0	1	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu246	53	119	76	153	80	187	122	159	110	95	77	27	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu3428	0	0	0	0	0	3	0	1	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu4060	0	0	0	0	0	0	0	2	1	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu247	13	27	7	28	43	26	51	50	29	49	76	20	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu244	56	47	27	55	48	96	28	29	29	57	57	14	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu245	80	55	84	121	47	130	65	36	108	50	37	101	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Phyllobacteriaceae; Mesorhizobium
Otu2148	0	0	4	2	3	2	1	0	2	3	1	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2149	0	0	3	0	0	0	0	0	2	0	0	0	Bacteria
Otu2142	0	0	0	2	0	3	2	0	1	1	1	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu2143	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Chlorobi; SJA-28
Otu2140	6	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2141	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria
Otu2146	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria
Otu2147	2	1	5	3	2	2	0	0	1	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2144	0	3	0	2	0	0	0	1	0	0	2	0	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu2145	0	1	0	0	0	0	0	0	2	0	4	0	Bacteria; OD1; SM2F11
Otu1891	0	0	0	5	0	0	1	1	0	0	3	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu1890	157	79	126	165	106	92	268	45	125	300	100	166	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu1893	0	0	0	0	0	0	0	0	0	0	0	5	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae
Otu1892	3	1	2	6	4	2	2	4	1	5	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1895	145	21	48	128	86	70	64	34	26	37	26	69	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu1894	4	1	2	4	0	10	0	0	0	2	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bacteriovoraceae; Peredibacter; Peredibacter_starrii

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1897	0	2	0	0	2	4	3	0	0	0	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; R4-41B
Otu1896	0	0	1	4	0	0	0	2	0	0	1	2	Bacteria; Proteobacteria
Otu1899	0	0	0	0	0	4	0	0	1	1	0	0	Bacteria; Proteobacteria
Otu1898	0	2	0	4	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3365	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; OD1; ZB2
Otu4308	0	2	0	1	0	0	2	0	2	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3929	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu3928	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu4420	168	23	23	297	31	454	31	16	32	42	15	141	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Acidovorax
Otu3923	0	1	1	1	0	0	1	0	1	2	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3922	0	0	0	0	3	15	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3921	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3920	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3927	0	1	2	0	0	0	1	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu3926	0	0	0	0	0	0	0	0	1	0	3	0	Bacteria
Otu3925	0	0	0	1	0	2	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3924	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2036	0	0	0	0	2	2	5	4	5	0	1	3	Bacteria; Gemmatimonadetes; Gemm-1
Otu2037	0	1	2	1	0	4	3	3	0	2	0	0	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu2034	5	1	1	1	1	5	2	2	3	1	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2035	0	3	0	0	0	2	0	0	1	3	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2032	0	3	1	0	0	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2033	0	0	0	0	3	0	1	1	1	0	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu2030	0	6	0	0	0	0	2	0	0	0	8	0	Bacteria; OP3; kol111
Otu2031	0	6	3	1	0	1	4	0	0	0	2	1	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu2038	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Firmicutes; Bacilli; Turicibacterales; Turicibacteraceae; Turicibacter
Otu2039	4	0	0	1	0	3	0	0	1	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1769	0	0	0	0	7	1	0	0	0	0	0	0	Bacteria
Otu1768	0	0	0	0	5	2	0	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2446	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1763	1	1	2	1	3	4	4	0	0	0	0	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1762	0	1	2	4	0	4	1	0	1	0	0	1	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales; Phycisphaeraceae
Otu1761	1	2	1	4	6	3	0	1	0	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1760	0	2	0	1	4	1	3	0	2	0	0	2	Bacteria; Firmicutes; Clostridia; OPB54
Otu1767	0	0	0	0	4	1	2	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Erwinia
Otu1766	0	0	0	0	0	0	8	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Saprospiraceae
Otu1765	3	4	1	1	4	3	3	17	3	3	3	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu1764	0	0	0	1	0	5	1	1	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu3819	0	0	0	2	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae
Otu3818	0	0	0	0	0	0	0	2	0	0	1	0	Bacteria
Otu3817	2	2	8	5	3	9	2	5	6	7	5	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3816	1	6	0	5	4	2	2	0	0	0	4	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu3815	13	12	0	10	0	18	0	0	5	5	1	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu3814	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae; Leptolyngbya

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3813	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; SBR1093
Otu3812	0	0	0	1	0	1	0	2	1	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu3811	0	2	0	0	0	0	0	0	0	1	0	0	Bacteria; TM6
Otu3810	5	4	1	1	1	3	1	0	0	1	1	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2445	0	0	3	0	0	0	1	0	0	1	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3366	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1420	1	0	2	4	7	4	3	5	2	6	4	0	Bacteria; OD1; ABY1
Otu1421	6	3	3	4	4	5	4	0	2	0	1	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1422	2	7	2	3	3	5	3	5	1	8	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1423	0	6	6	6	0	4	4	3	2	0	6	3	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1424	6	1	0	0	0	1	0	1	0	1	0	0	Bacteria; Verrucomicrobia; Opiritutae; Opiritutales; Opiritutaceae
Otu1425	7	13	6	6	3	13	16	24	9	5	30	3	Bacteria; Gemmatimonadetes; Gemm-1
Otu1426	1	10	1	2	0	3	3	0	1	0	6	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1427	3	4	0	3	1	5	3	0	0	5	2	0	Bacteria; Chloroflexi; TK10; AKYG885; 5B-12
Otu1428	1	2	1	3	1	11	2	1	0	3	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae; Roseomonas
Otu1429	0	0	0	0	0	7	0	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae; Patulibacter
Otu2019	0	1	3	0	0	1	0	1	0	0	6	0	Bacteria
Otu3130	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3131	0	0	2	2	0	0	0	0	2	1	2	0	Bacteria; OD1; ZB2
Otu3361	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3132	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu4143	0	3	1	1	3	10	0	1	3	3	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2014	2	0	3	3	0	7	3	0	1	0	3	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2376	1	3	2	3	1	10	0	9	5	1	8	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2015	0	0	0	0	0	0	0	0	3	0	0	0	Bacteria; Proteobacteria
Otu3134	0	0	0	1	0	0	0	4	2	0	0	0	Bacteria; Proteobacteria
Otu3135	7	5	4	7	4	7	12	8	6	6	9	10	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2858	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2700	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia
Otu4431	31	33	34	29	11	29	27	34	19	33	7	15	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3136	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2701	0	0	0	0	2	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2850	0	0	2	0	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2851	0	0	3	0	0	0	0	0	0	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2852	2	0	2	2	0	1	0	1	0	0	0	0	Bacteria
Otu2853	0	0	2	0	0	2	0	0	0	0	2	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2854	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2855	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia
Otu2856	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2857	20	34	27	18	53	68	45	55	29	33	38	20	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu1398	1	0	1	2	1	7	4	0	1	2	1	0	Bacteria; Proteobacteria
Otu1399	1	9	0	0	1	3	4	3	1	1	5	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu1392	3	1	6	6	1	5	2	3	1	3	0	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylocystaceae
Otu1393	3	5	7	15	7	19	6	6	16	8	14	19	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1390	0	0	0	7	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1391	0	2	3	2	1	7	2	4	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu1396	7	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1397	2	1	7	4	3	12	1	1	7	4	4	1	Bacteria; Armatimonadetes; 0319-6E2
Otu1394	0	3	1	1	3	8	3	1	5	0	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1395	3	7	2	12	12	25	5	3	6	27	6	10	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu29	497	404	258	452	300	702	418	574	339	306	323	47	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu28	42	21	9	614	56	36	12	4	15	32	5	6	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Caulobacter
Otu25	541	524	411	660	368	656	623	773	623	680	421	213	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu24	40	22	13	742	7	93	3	11	102	6	7	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu27	133	86	12	49	68	727	38	15	38	21	25	17	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu26	201	127	176	382	144	577	45	42	541	90	98	446	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_nitroreducens
Otu21	151	5	2	10	31	864	5	9	28	10	1	12	Bacteria; Cyanobacteria
Otu20	968	135	70	541	163	449	114	201	209	169	37	394	Bacteria; Proteobacteria; Gammaproteobacteria
Otu22	1	0	18	3	167	651	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2708	0	4	0	0	0	0	1	0	0	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2709	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu4212	47	33	27	31	17	25	30	16	11	24	8	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3382	0	0	1	2	1	5	1	2	3	0	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu3115	1	0	0	0	0	2	0	0	1	0	0	1	Bacteria; Chloroflexi; Thermomicrobia
Otu3362	4	7	1	3	1	21	4	4	11	2	3	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3548	1	1	2	2	0	1	0	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3545	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria
Otu3544	1	0	2	4	1	1	1	3	0	2	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3547	0	0	0	1	0	4	2	0	3	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3546	6	5	4	14	10	4	5	2	5	12	6	12	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3541	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3540	0	0	0	0	4	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3543	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3542	0	0	0	0	3	0	0	0	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1086	0	1	2	9	0	8	0	0	2	0	4	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1087	0	1	0	1	0	11	2	2	0	0	0	1	Bacteria
Otu1084	1	5	1	4	4	25	10	17	12	11	13	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1085	5	3	0	1	1	9	2	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1082	0	4	0	5	2	8	3	4	0	2	2	2	Bacteria; Armatimonadetes; 0319-6E2
Otu1083	1	5	2	2	0	8	2	0	0	2	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1080	0	0	0	10	0	1	0	0	0	0	0	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Siphonobacter; Siphonobacter_aquaeclearae
Otu1081	10	2	13	15	5	13	13	9	12	13	14	3	Bacteria; Gemmatimonadetes; Gemm-5
Otu4067	1	0	0	0	0	1	2	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2440	0	1	0	0	0	0	3	0	0	0	6	0	Bacteria; Acidobacteria; AT-s54
Otu4065	0	0	0	2	0	2	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4064	10	8	31	35	12	14	21	1	32	5	6	13	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Cupriavidus
Otu4063	11	4	11	50	6	15	11	10	24	17	5	9	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu4062	0	1	0	1	0	0	0	0	0	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1088	0	1	1	26	7	4	1	0	5	5	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1089	5	3	4	29	2	11	1	1	3	5	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bacteriovoraceae
Otu3856	2	1	0	0	1	2	1	0	0	0	1	0	Bacteria
Otu2479	0	1	0	0	2	2	2	0	0	1	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu589	13	5	7	15	5	36	11	13	9	13	8	12	Bacteria; Armatimonadetes; 0319-6E2
Otu588	5	4	1	4	4	23	10	6	6	13	4	5	Bacteria; Proteobacteria
Otu2702	0	0	0	0	0	1	1	0	0	0	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2703	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2704	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Veillonellaceae
Otu2705	1	2	0	5	0	0	2	4	1	0	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Bryobacteraceae
Otu2706	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria
Otu2707	0	0	0	0	0	0	0	0	0	3	3	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu581	11	7	4	22	6	9	4	5	4	1	1	4	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu580	5	0	11	19	40	7	3	12	1	8	5	7	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu583	2	6	10	21	5	7	7	27	19	2	11	3	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu582	0	0	15	22	0	0	0	0	0	0	2	0	Bacteria; TM6; SJA-4
Otu585	14	79	20	55	19	31	53	23	21	27	52	26	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu584	0	0	22	11	2	0	0	0	0	0	1	1	Bacteria
Otu587	7	34	11	22	16	19	18	13	13	18	28	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu586	8	7	11	21	13	47	8	34	38	6	21	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1172	2	3	5	8	1	7	0	1	4	7	0	5	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1173	6	0	0	2	0	15	0	0	1	1	0	6	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1170	6	3	3	11	2	1	9	3	7	1	4	12	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu458	18	4	3	13	2	50	5	7	17	1	4	24	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae; Agromyces
Otu1176	15	9	9	17	12	19	17	8	11	16	14	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1177	0	9	0	0	2	3	8	5	1	0	0	1	Bacteria
Otu1174	6	6	2	7	2	6	8	3	0	0	9	4	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu1175	0	0	0	0	8	1	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaeae; Fluviicola
Otu453	9	44	25	10	14	9	17	20	14	24	39	8	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu452	2	4	5	5	13	36	13	4	15	22	5	4	Bacteria; Proteobacteria; Alphaproteobacteria
Otu451	7	3	12	23	15	33	13	20	14	27	23	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu450	9	0	1	5	12	38	6	4	0	8	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Lacibacter; Lacibacter_cauensis
Otu457	9	0	0	0	0	31	0	0	11	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu456	6	16	11	13	3	19	16	30	18	36	18	13	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu455	5	1	9	13	12	35	3	8	18	6	13	7	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu454	3	1	4	42	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1374	1	0	0	1	1	0	1	0	0	0	1	7	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1375	0	7	0	0	0	0	0	0	0	0	1	0	Bacteria; TM6; SBRH58
Otu1376	1	13	4	4	0	2	4	0	0	0	1	1	Bacteria
Otu1377	1	2	0	0	3	7	0	0	1	0	0	0	Bacteria; FBP
Otu1370	8	0	0	5	1	0	4	0	3	8	1	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1371	0	0	0	0	13	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu1372	1	5	0	8	3	0	1	0	0	0	5	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1373	3	11	2	7	0	0	3	1	2	1	8	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1378	0	0	0	2	0	1	2	0	7	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1379	0	2	3	1	6	1	0	3	3	0	3	2	Bacteria
Otu1853	0	2	2	1	0	10	1	7	9	1	2	6	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu459	11	0	8	35	4	5	0	2	2	1	1	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Azospirillum
Otu3725	0	0	0	0	2	0	0	1	1	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3724	3	1	0	1	0	3	0	2	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3727	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales
Otu1171	11	4	6	17	11	18	20	27	10	13	4	3	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu2638	1	0	1	0	2	0	0	0	0	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2639	1	0	0	0	0	2	1	0	2	0	0	0	Bacteria; Proteobacteria
Otu3723	1	0	1	0	0	1	1	2	0	0	0	0	Bacteria
Otu3668	0	0	0	0	0	0	0	0	1	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2634	1	4	3	5	2	0	3	0	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2635	0	0	1	0	3	0	2	8	6	0	2	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2636	0	2	0	0	0	0	2	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2637	0	1	0	0	0	1	0	0	0	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria; Ellin6067
Otu2630	0	0	0	1	0	0	0	3	0	0	4	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2631	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu2632	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2633	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu4287	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4286	0	0	0	0	0	0	1	0	0	0	2	0	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4285	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu4284	1	0	0	1	0	1	3	0	0	1	1	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptostreptococcaceae; Tepidibacter
Otu4283	0	1	0	3	0	0	0	0	0	0	1	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; FW; 4-29
Otu4282	14	45	12	20	31	48	42	13	7	19	38	13	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu4281	0	0	2	0	0	1	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu4280	1	1	0	0	1	1	0	2	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu4334	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria
Otu4289	0	2	2	0	0	0	1	4	0	1	1	1	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales; Phycisphaeraceae
Otu4288	0	0	0	0	0	3	0	0	1	0	1	0	Bacteria; Proteobacteria
Otu3493	1	0	2	0	0	1	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3515	1	0	1	1	0	0	2	0	1	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3492	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu1529	2	15	8	4	15	12	11	5	1	7	8	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1178	0	1	0	0	2	7	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1528	2	5	4	6	10	22	9	7	7	7	10	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu1179	0	0	0	0	4	9	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae
Otu129	62	58	70	164	66	111	87	109	73	98	76	54	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu128	58	98	82	124	13	210	63	25	47	9	16	106	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_pseudoalcaligenes
Otu127	57	61	32	48	32	222	31	116	77	17	33	50	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu126	41	190	47	76	104	59	81	24	24	64	93	44	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu125	34	16	21	48	1	2	49	10	53	23	1	175	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu124	67	87	48	80	23	158	71	104	60	75	98	119	Bacteria; Proteobacteria; Betaproteobacteria; Nitrosomonadales; Nitrosomonadaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu123	47	95	63	137	39	105	101	115	35	118	107	45	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu122	98	211	100	89	82	70	106	83	32	153	172	25	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu121	72	37	76	123	57	156	40	177	99	93	47	42	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu120	314	52	111	235	87	222	143	63	121	128	69	140	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu909	21	11	69	95	44	16	78	2	24	36	6	55	Bacteria; Proteobacteria; Betaproteobacteria
Otu908	2	0	0	0	0	0	0	0	0	0	0	14	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu905	10	1	5	0	0	13	2	1	2	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas_wittichii
Otu904	5	10	6	14	3	27	9	24	13	7	15	3	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu907	0	0	0	2	0	0	0	0	11	1	0	0	Bacteria; ODI; ZB2
Otu906	4	12	3	4	0	8	7	4	8	1	6	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu901	11	7	1	10	7	10	4	1	0	3	4	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu900	4	10	10	19	4	15	15	18	14	3	9	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu903	6	6	0	13	9	16	4	6	14	9	3	5	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu902	11	16	1	6	14	26	20	10	10	7	11	22	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae; Kribbella
Otu2528	0	0	0	0	0	0	0	1	0	0	3	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2529	0	3	2	6	0	3	4	2	0	1	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3033	0	2	1	1	1	1	0	0	0	0	1	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu1526	0	0	2	1	0	1	1	6	1	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3035	0	0	0	2	1	2	1	0	1	0	1	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3034	0	0	2	2	1	1	1	4	2	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae
Otu3037	2	1	0	4	1	4	1	0	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3036	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2520	3	3	0	0	0	2	0	3	2	1	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2521	0	0	0	0	0	0	0	3	2	1	0	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2522	4	11	1	1	3	0	8	0	3	2	2	2	Bacteria; TM7; TM7-1
Otu2449	2	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu2524	0	0	0	0	1	0	0	3	1	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2525	1	2	3	4	1	9	0	0	4	3	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2526	11	6	2	5	3	13	1	0	3	3	1	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2527	39	26	50	64	26	111	43	53	51	26	33	44	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu633	9	10	4	8	5	26	1	16	2	0	1	9	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaceae; Nocardia
Otu632	1	4	2	4	3	6	4	2	25	4	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu631	2	11	10	10	9	16	6	20	5	3	7	0	Bacteria; Acidobacteria; Acidobacteria-5
Otu630	5	8	2	15	8	19	31	24	15	2	12	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu637	8	6	13	19	7	19	10	5	11	9	23	6	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu636	6	0	7	4	6	5	7	21	24	21	8	6	Bacteria; Planctomycetes; vadinHA49; DH61
Otu635	0	3	2	0	6	0	3	4	2	34	1	7	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Alkanibacter; Alkanibacter_difficilis
Otu634	5	2	18	12	6	8	3	6	32	2	12	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Ellin506
Otu3038	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu639	1	7	1	3	3	7	6	1	1	5	22	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu638	8	2	7	14	12	24	18	34	10	6	13	3	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu3250	0	1	2	4	2	1	1	0	3	0	4	3	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1950	0	1	2	0	0	2	1	0	5	3	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu1951	0	4	0	1	2	2	2	0	0	0	6	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1952	0	0	1	0	0	1	3	0	0	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1953	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1954	5	3	1	1	3	1	1	1	0	1	1	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1955	3	3	0	9	0	7	1	4	2	2	0	4	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1956	10	12	6	16	7	18	12	24	6	7	14	4	Bacteria; Proteobacteria; Betaproteobacteria
Otu1957	0	0	0	0	1	0	1	0	3	0	3	1	Bacteria; TM7; SC3
Otu1958	1	3	1	2	5	1	7	8	5	3	0	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1959	0	3	2	0	0	2	0	0	3	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3156	1	1	3	0	2	1	0	1	0	3	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3157	0	0	0	0	0	0	0	1	2	0	3	0	Bacteria; TM7; SC3
Otu3154	0	0	0	1	1	0	0	0	0	1	2	0	Bacteria; OD1; ZB2
Otu2572	3	6	0	1	1	1	1	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu3152	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu3153	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata; Gemmata_obscuriglobus
Otu3150	0	2	0	0	0	0	0	0	0	1	2	1	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu3151	3	6	0	0	2	2	3	0	2	3	1	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu3158	0	0	0	1	1	1	0	2	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3159	0	2	3	1	0	1	1	1	3	1	3	0	Bacteria
Otu839	12	1	2	6	7	1	0	0	0	0	2	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu838	4	16	1	12	4	1	6	1	0	3	6	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2456	11	3	6	5	1	11	1	0	1	1	7	8	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae
Otu2457	0	4	1	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2450	10	18	12	18	16	29	9	16	24	33	11	8	Bacteria; Verrucomicrobia; Opirituae; Opirituales; Opiritaceae; Opiritus
Otu2451	0	0	0	0	3	9	0	0	0	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu2452	1	0	0	1	0	1	5	1	0	1	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu2453	8	4	4	2	0	5	4	0	4	9	3	1	Bacteria; TM7; SC3
Otu831	6	14	6	4	13	13	11	18	18	20	17	3	Bacteria; Planctomycetes; vadinHA49; DH61
Otu830	2	0	2	20	0	0	6	2	2	3	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu833	0	0	0	0	1	13	1	0	12	0	5	6	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales
Otu832	12	19	13	13	10	12	18	2	6	13	21	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu835	69	32	40	73	38	61	40	42	38	34	27	12	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu834	2	0	3	1	0	50	3	2	0	0	1	0	Bacteria; TM7; TM7-1
Otu837	2	0	0	9	8	2	0	0	0	1	16	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu836	8	14	2	2	2	14	7	1	0	8	8	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu4231	2	2	1	1	2	4	4	0	7	0	5	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu3340	0	0	1	0	0	4	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu3252	0	3	2	1	1	3	1	0	0	0	3	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu3346	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu3345	0	0	0	1	0	0	0	0	2	1	1	0	Bacteria
Otu3355	0	2	1	0	2	1	5	2	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu2212	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; OD1; ABY1
Otu2213	0	0	0	0	0	2	3	2	3	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2210	28	62	58	54	30	108	43	59	29	53	53	23	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2211	0	0	0	0	0	0	5	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Gemellales; Gemellaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1888	1	0	0	0	0	0	0	0	0	2	5	0	Bacteria; OD1; SM2F11
Otu1889	0	6	0	2	1	1	4	0	0	0	4	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1886	1	1	2	0	1	1	8	3	0	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1887	0	3	0	2	0	0	0	1	4	1	1	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu1884	3	1	2	3	0	0	0	0	1	1	5	0	Bacteria; Bacteroidetes
Otu1885	7	7	3	8	2	2	4	1	2	6	2	3	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu1882	0	1	1	8	1	15	2	0	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_veronii
Otu1883	0	2	2	5	0	0	5	0	4	0	3	2	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1880	0	0	0	4	0	0	0	0	0	1	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Blautia
Otu1881	0	4	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu732	8	3	1	22	21	3	1	4	0	0	1	6	Bacteria
Otu2214	0	0	0	0	0	3	0	2	0	1	0	0	Bacteria; TM7; SC3
Otu4253	0	3	0	2	2	2	3	0	0	0	1	1	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu733	20	29	30	8	11	16	9	2	10	16	20	10	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2215	1	1	1	0	0	6	4	1	2	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu730	34	0	2	23	8	10	4	8	12	1	1	26	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingopyxis
Otu3938	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu3185	0	1	0	1	0	0	0	0	0	2	0	0	Bacteria; TM7; TM7-1
Otu731	17	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae
Otu3184	0	3	2	0	1	2	0	4	1	3	2	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu3930	0	0	0	2	0	0	0	1	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Ruminococcus; Ruminococcus_gnavus
Otu736	1	15	0	3	0	0	10	7	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3932	0	1	0	1	2	2	0	0	1	0	0	0	Bacteria
Otu3933	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria
Otu3934	0	0	0	0	4	3	0	0	1	1	2	0	Bacteria; OD1; ZB2
Otu3187	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacliales
Otu3123	30	2	74	108	15	9	36	12	19	5	3	146	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu737	8	37	21	20	33	24	23	10	14	4	29	14	Bacteria; Chloroflexi; Ellin6529
Otu2043	0	0	0	0	0	5	5	0	1	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2042	0	0	0	0	0	0	0	0	3	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2041	2	4	2	4	0	4	0	1	1	3	4	1	Bacteria; Armatimonadetes; 0319-6E2
Otu2040	0	1	0	2	0	1	0	0	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; MBNT15
Otu2047	4	0	0	3	0	12	0	1	0	4	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu734	1	0	1	17	1	6	0	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2045	0	6	1	2	1	0	2	1	0	0	0	1	Bacteria; Chloroflexi; P2-11E
Otu2044	0	3	1	1	1	0	2	3	4	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2069	0	1	0	2	0	7	0	0	0	0	0	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu3181	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu2049	0	1	0	3	1	2	4	2	7	3	3	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu735	4	0	4	1	1	24	0	0	2	0	1	2	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales
Otu3180	0	0	0	0	0	0	0	0	3	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1778	6	1	2	5	0	5	2	5	4	7	4	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1779	0	0	0	0	0	1	6	3	1	4	0	4	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2287	0	0	1	6	1	0	2	0	1	0	0	0	Bacteria; OP11; OP11-3

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2286	1	2	0	0	0	0	0	3	3	3	3	0	Bacteria
Otu2281	0	1	0	0	0	0	0	3	0	0	0	0	Bacteria
Otu2280	10	9	9	6	4	10	14	6	4	9	9	7	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2283	0	0	0	0	0	0	1	0	0	0	4	0	Bacteria
Otu2282	3	0	0	0	0	2	1	2	1	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1770	1	1	0	3	1	0	2	0	6	8	0	97	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1771	4	6	4	3	6	1	4	3	0	0	3	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Adhaeribacter
Otu1772	0	8	1	0	1	0	1	2	0	1	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1773	0	4	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu1774	3	0	3	4	0	11	1	1	2	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1775	0	0	0	0	0	0	5	0	3	0	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1776	0	1	3	0	8	9	4	4	3	2	8	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1777	1	2	1	5	0	6	0	0	5	2	1	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3726	1	3	4	1	3	1	1	5	5	0	4	3	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu3808	1	0	0	2	7	2	1	1	1	0	1	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3809	3	2	1	1	1	1	0	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4220	1	0	0	0	2	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3804	1	0	1	0	0	6	2	0	0	0	0	0	Bacteria; Chlorobi; OPB56
Otu3721	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu3806	3	4	5	9	8	4	4	5	1	4	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3807	0	0	1	0	0	2	0	1	2	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Gracilibacteraceae; Gracilibacter
Otu3800	0	0	2	1	0	2	4	8	1	1	0	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3801	0	0	1	0	0	2	0	5	0	2	1	0	Bacteria; Chloroflexi; Thermomicrobia; AKYG1722
Otu3359	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3720	0	0	0	0	0	1	0	0	0	0	2	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu4030	1	0	0	2	0	4	1	3	4	0	1	2	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu4111	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycidae; Pseudanabaenales; Pseudanabaenaceae
Otu2936	0	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu3722	1	0	0	1	0	2	1	0	1	0	2	0	Bacteria; Chloroflexi; C0119
Otu4032	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu4184	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2934	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu1419	2	1	3	5	0	6	2	4	2	1	3	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1418	3	2	2	3	7	6	2	9	9	0	8	4	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1415	5	2	0	2	4	16	3	1	4	5	2	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu1414	0	0	0	0	6	1	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1417	0	7	0	2	6	4	6	5	9	1	10	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1416	17	21	4	25	9	17	12	14	7	37	23	3	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1411	0	0	0	0	6	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu1410	12	27	15	15	17	28	20	37	13	14	16	20	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu1413	0	0	1	3	3	9	0	0	0	0	7	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1412	0	11	0	0	2	2	1	5	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2662	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; TM7; SC3
Otu4036	1	1	0	0	0	0	0	0	0	4	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3729	0	0	1	0	0	1	1	5	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2930	0	0	3	4	0	1	0	1	0	3	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3728	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; BRC1; PRR-11
Otu2191	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; OD1; ZB2
Otu2190	1	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2193	0	3	0	2	0	0	0	0	3	0	1	0	Bacteria
Otu2192	2	0	1	8	1	1	1	2	0	1	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2195	0	0	0	2	1	0	0	0	1	3	0	0	Bacteria; OD1; ZB2
Otu2194	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2197	0	2	0	3	0	0	0	0	0	0	0	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu2196	0	3	1	3	3	4	1	2	4	2	2	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacteriales; Conexibacteraceae
Otu2199	0	0	4	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2198	33	17	8	319	43	154	4	28	293	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu4118	0	1	0	0	0	0	0	0	0	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu3859	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu4403	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu2009	0	0	1	0	3	0	4	2	1	4	1	2	Bacteria; Gemmatimonadetes; Gemm-5
Otu4402	13	46	12	21	31	13	22	10	4	13	43	4	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu4405	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae
Otu4404	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2938	2	3	4	2	2	0	1	2	1	2	0	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu1569	1	0	1	2	1	3	2	3	6	1	3	1	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1568	2	0	3	5	3	10	0	1	1	3	2	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu38	164	215	203	895	252	840	669	845	516	192	492	163	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu39	194	137	204	350	143	713	213	188	235	115	87	230	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu36	118	156	208	276	482	692	208	99	137	225	175	240	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu37	217	391	200	443	466	810	471	707	496	586	533	192	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu34	215	172	331	412	286	867	474	352	535	596	237	513	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu35	11	0	1	7	503	0	0	0	2	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Filimonas; Filimonas_lacunae
Otu32	79	2	1	518	335	38	0	13	16	4	7	152	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Prosthecobacter; Prosthecobacter_debontii
Otu33	48	15	12	16	7	554	14	5	8	11	14	11	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dokdonella
Otu30	329	668	290	621	525	1156	325	777	1126	570	998	467	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu31	68	34	12	9	25	587	32	12	30	11	9	284	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dokdonella
Otu2999	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria
Otu2998	15	16	8	25	7	36	16	22	23	22	17	22	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas_wittichii
Otu4271	1	0	2	2	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria
Otu2991	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria
Otu2990	0	2	1	0	1	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2993	0	0	0	0	0	1	2	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Vermamoeba; Vermamoeba_vermiformis
Otu2992	0	0	0	0	0	0	0	0	2	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2995	2	1	1	2	1	0	0	3	0	2	0	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2994	0	0	0	1	0	3	1	2	2	2	0	0	Bacteria
Otu2997	3	8	0	2	0	2	0	1	3	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Lysobacter
Otu2996	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3558	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu3559	0	2	0	2	0	0	0	1	0	0	0	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaceae; Nocardia; Nocardia_concava
Otu3552	0	4	0	1	0	3	4	0	0	0	5	0	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu3553	0	2	0	1	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3550	0	2	0	0	1	0	2	1	0	0	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu3551	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3557	2	1	0	2	1	1	0	0	0	1	0	0	Bacteria; TM7; SC3
Otu3554	0	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Acidobacteria
Otu3555	1	1	2	1	0	5	1	4	0	1	0	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu4078	0	2	0	0	1	0	0	0	0	0	1	1	Bacteria; OD1; ZB2
Otu4079	0	0	0	0	1	1	2	0	0	1	0	0	Bacteria; OD1; SM2F11
Otu4074	0	0	2	0	0	2	2	0	0	0	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu4075	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu4076	0	3	0	1	0	0	0	0	0	2	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3825	0	1	0	2	0	0	0	0	1	0	2	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu4070	0	1	2	7	6	10	5	5	2	7	5	0	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu4071	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu4072	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu4073	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria
Otu3251	0	0	0	1	0	0	2	0	0	0	1	0	Bacteria; OD1; ZB2
Otu2865	1	0	0	2	1	3	1	0	0	1	2	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu2864	0	1	0	1	2	2	1	0	0	0	3	0	Bacteria; Acidobacteria; Holophagae; Holophagales; Holophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2867	31	55	36	40	64	54	87	28	24	47	58	27	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2866	1	2	0	7	2	3	0	2	2	1	3	0	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu2861	3	7	4	3	2	2	5	2	4	0	5	1	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu2860	2	1	4	10	2	17	0	0	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu2863	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2862	0	0	0	0	0	1	0	0	0	3	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1103	16	41	20	20	24	53	22	25	11	19	10	7	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu2869	8	13	5	13	7	16	7	8	7	7	14	11	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu2868	3	0	0	0	2	2	1	4	1	1	1	0	Bacteria; Gemmatimonadetes; Gemm-5
Otu1102	13	15	16	10	9	8	9	3	0	5	15	4	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu2739	4	8	4	10	2	13	11	16	8	1	3	4	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1101	7	0	2	6	1	8	2	1	3	2	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2216	1	1	2	1	1	4	0	0	0	0	2	0	Bacteria
Otu2735	1	0	3	0	0	2	0	0	0	0	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu2734	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2737	0	1	1	0	1	0	0	0	0	0	0	2	Bacteria; OP3; PBS-25
Otu1100	0	0	1	8	4	5	0	1	0	1	2	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu2731	0	0	1	0	0	0	0	2	1	0	0	0	Bacteria; TM6; SJA-4
Otu2730	0	0	1	0	0	3	4	0	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu2733	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2732	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu426	7	1	0	0	1	36	0	0	0	0	1	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3858	0	1	0	0	0	4	0	0	1	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae
Otu427	13	8	15	19	14	55	14	22	30	12	37	16	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu4411	0	0	0	1	1	3	0	0	0	1	0	0	Bacteria; TM7
Otu424	10	7	2	1	10	24	24	13	8	12	35	8	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3488	1	1	3	2	1	3	1	2	0	0	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu3489	0	0	0	0	0	0	0	1	1	1	3	1	Bacteria; Bacteroidetes; Sphingobacteriai; Sphingobacteriales; Sphingobacteriaceae
Otu425	16	6	8	20	25	105	8	67	21	3	21	10	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu2217	0	0	0	0	4	0	0	4	0	1	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae
Otu1189	11	2	4	4	5	13	3	2	7	3	7	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1188	0	2	0	3	0	5	10	2	3	8	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu1187	3	0	0	2	1	11	2	6	3	4	0	5	Bacteria; Bacteroidetes; Sphingobacteriai; Sphingobacteriales; Sphingobacteriaceae
Otu422	2	12	8	7	37	24	3	8	3	4	11	7	Bacteria; Planctomycetes; OM190; CL500-15
Otu1185	4	14	4	0	7	3	0	4	2	0	4	0	Bacteria; Bacteroidetes; Sphingobacteriai; Sphingobacteriales
Otu1184	19	22	4	13	25	29	16	20	11	21	54	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1183	7	4	9	9	3	12	3	8	8	3	13	5	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu1182	1	0	0	0	0	0	0	0	0	0	0	10	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu1181	13	5	5	9	7	4	6	5	6	15	5	1	Bacteria; Acidobacteria; Chloracidobacteria
Otu423	20	51	8	24	37	29	19	23	27	12	37	16	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu1341	1	2	1	10	0	1	4	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1340	5	3	3	2	3	7	0	0	0	1	4	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu1343	1	2	1	3	2	6	6	4	1	0	7	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1342	6	5	2	31	0	9	10	6	6	9	7	3	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1345	0	0	0	0	0	2	0	7	4	2	8	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu352	12	24	17	53	8	32	14	47	10	20	8	18	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1347	3	3	6	3	8	1	1	2	0	1	5	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1346	1	8	2	7	1	1	6	7	0	2	6	3	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu1349	0	0	1	1	2	6	1	2	5	7	5	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1348	8	10	8	9	6	3	8	3	4	7	27	4	Bacteria; Proteobacteria; Betaproteobacteria
Otu421	35	54	20	38	41	70	14	16	20	38	42	36	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2068	0	0	0	1	0	1	1	1	0	0	3	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu480	18	6	17	33	2	11	18	25	4	8	10	7	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu481	5	42	8	19	38	71	11	10	4	31	37	22	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu482	86	74	94	127	32	45	73	76	45	174	112	65	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu483	2	23	6	14	23	20	18	45	22	7	21	3	Bacteria; Acidobacteria; DA052; Ellin6513
Otu484	8	4	12	5	4	20	10	7	40	4	6	16	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu485	10	12	14	23	32	32	23	28	24	7	22	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu486	4	0	1	2	2	39	0	9	13	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu487	11	3	9	12	15	16	18	10	18	37	14	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu488	10	2	0	0	3	38	0	0	1	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae
Otu489	2	2	18	32	3	18	1	8	13	5	2	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu334	16	10	17	28	11	11	19	60	65	28	19	17	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu335	11	69	28	40	27	29	22	8	8	13	30	8	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu332	14	71	12	20	5	5	19	7	3	5	19	5	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu333	60	10	11	57	2	27	0	17	6	13	5	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu330	0	0	0	0	0	7	2	0	61	1	6	18	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu331	11	4	15	50	0	31	4	19	4	52	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae; Elizabethkingia; Elizabethkingia_meningoseptica
Otu2609	2	0	1	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2608	0	0	0	0	0	0	2	1	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae
Otu3730	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3731	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter; Candidatus_Koribacter_versatilis
Otu3736	0	0	0	0	0	0	4	0	2	0	0	0	Bacteria; Elusimicrobia; Elusimicrobia; Elusimicrobiales
Otu3737	0	2	0	1	0	0	0	0	0	0	0	0	Bacteria; TM6; SJA-4
Otu3734	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria
Otu3735	0	0	2	0	1	2	0	0	0	4	0	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2601	3	1	1	3	1	8	1	7	2	2	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2600	0	0	0	1	3	0	0	0	0	0	2	0	Bacteria; Proteobacteria
Otu2603	4	0	0	2	3	1	0	0	1	0	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu2602	0	1	3	1	0	3	0	0	0	1	1	1	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae
Otu2605	1	0	1	1	0	3	0	0	0	0	0	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2067	1	2	1	3	2	0	8	6	0	2	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2607	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2606	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria
Otu4294	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu4295	0	1	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Hyphomonadaceae
Otu4296	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2066	1	0	1	0	0	3	0	0	0	0	1	1	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4290	0	0	0	0	2	3	0	0	0	0	0	0	Bacteria; Chloroflexi; S085
Otu4291	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu4292	1	1	0	0	0	0	0	0	0	0	4	0	Bacteria; Chloroflexi; TK17
Otu4293	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu4298	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu4299	0	0	0	0	0	0	0	0	2	0	1	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3826	0	0	0	3	0	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu158	1	2	0	2	0	128	0	3	11	1	1	0	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Azospira
Otu159	111	2	4	4	6	37	1	0	3	3	1	12	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu3122	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu3827	0	0	1	0	2	3	0	1	0	1	2	3	Bacteria; Acidobacteria; Holophagae; Holophagales; Holophagaceae; Geothrix
Otu152	19	26	116	95	7	29	29	18	41	11	8	40	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae
Otu153	62	167	77	173	54	249	144	145	135	123	147	34	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu150	41	13	54	67	97	36	34	149	4	21	4	70	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu151	0	0	11	158	29	71	1	5	15	29	14	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu156	16	79	21	13	5	38	1	10	13	1	5	173	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu157	2	0	0	0	1	111	0	0	0	1	0	0	Bacteria; Cyanobacteria
Otu154	32	28	27	61	35	120	37	64	56	52	28	61	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu155	54	28	99	191	117	137	52	70	36	40	8	129	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium
Otu938	15	44	7	4	5	4	5	3	7	1	6	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu939	0	14	1	0	0	3	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2517	1	0	1	3	0	9	2	3	2	0	0	1	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2516	1	1	1	3	3	1	0	5	0	0	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2511	0	0	0	0	3	1	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu2510	0	4	1	3	1	2	0	2	2	2	3	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu2513	1	6	1	6	4	0	2	1	0	5	2	1	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu2512	0	3	3	1	0	0	2	1	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu930	3	8	0	3	2	18	5	3	2	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaceae; Nocardia
Otu931	16	8	9	28	2	22	6	6	11	4	9	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu932	1	5	4	8	7	13	5	5	5	3	5	2	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu933	17	1	0	0	1	9	0	0	1	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu934	7	2	0	6	16	4	2	8	6	2	1	3	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu935	1	9	0	4	16	8	5	5	2	3	10	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu936	2	5	8	14	7	36	6	12	3	10	3	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu937	2	14	1	6	7	9	5	5	6	3	13	4	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu2269	5	9	2	5	2	0	4	0	0	1	5	3	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu3028	2	0	0	2	2	2	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria
Otu3029	6	1	3	3	2	0	5	5	6	11	2	4	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu3026	0	0	1	0	0	1	0	2	0	3	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3027	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3024	0	0	0	1	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2268	0	0	0	18	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3022	0	2	0	1	0	2	2	3	1	0	1	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3023	10	28	8	64	14	9	28	2	1	8	13	3	Bacteria; Acidobacteria; Chloracidobacteria; 11-24

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3020	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; TM7; TM7-1
Otu3021	0	4	0	5	1	3	3	7	2	3	1	0	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu3985	3	0	0	0	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu3984	0	1	0	0	0	1	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2616	0	0	0	1	0	2	0	0	0	0	0	0	Bacteria
Otu3987	47	24	114	81	23	40	49	64	61	38	41	41	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu4243	0	0	0	0	0	1	0	0	2	1	0	0	Bacteria; Proteobacteria
Otu3986	0	2	0	0	0	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1969	0	1	5	0	3	1	4	0	0	3	0	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1968	4	0	1	5	0	0	1	0	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4315	0	4	1	2	0	3	0	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu4242	5	1	2	3	1	2	1	0	1	0	0	1	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu1965	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; B97
Otu1964	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; H39
Otu1967	0	0	0	0	3	3	0	0	0	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1966	0	4	3	0	1	0	1	0	0	0	2	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1961	1	0	3	7	2	1	2	2	3	4	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1960	1	4	2	5	3	4	4	3	2	2	4	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1963	0	3	0	0	1	0	1	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1962	3	6	1	3	2	2	4	2	1	3	4	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu804	11	3	15	27	6	9	4	1	6	1	12	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Pythium; Pythium_ultimum
Otu805	18	11	2	7	7	13	26	20	20	30	5	14	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu806	1	3	2	2	6	19	18	25	14	7	5	6	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu807	12	10	15	14	3	32	3	5	8	5	6	6	Bacteria; Planctomycetes; Phycisphaerae; CPLA-3
Otu800	2	11	2	12	11	26	5	8	13	12	9	2	Bacteria; Spirochaetes; Spirochaetes; Spirochaetales; Spirochaetaceae; Spirochaeta; Spirochaeta_aurantia
Otu801	0	0	0	36	0	1	0	0	0	0	5	5	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu802	0	2	12	75	3	11	4	1	8	1	1	15	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu803	3	6	4	2	9	3	0	13	13	0	11	3	Bacteria; Planctomycetes; vadinHA49; DH61
Otu4034	5	5	7	3	1	2	2	1	2	5	2	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu4247	3	2	2	2	1	3	0	1	2	0	0	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae; Pimelobacter
Otu3129	0	3	1	0	0	3	1	0	0	3	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3128	0	0	0	0	0	1	1	2	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu808	16	13	1	5	0	4	1	1	2	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu809	2	2	1	4	2	16	2	1	3	1	0	8	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu4246	0	1	0	1	1	0	2	1	1	1	0	0	Bacteria; Proteobacteria
Otu2461	1	0	1	0	2	2	5	2	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2460	0	0	0	0	0	6	0	0	4	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2463	1	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2462	0	0	0	0	0	0	1	6	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu2465	1	1	0	0	1	6	4	2	1	1	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2464	1	0	0	1	0	4	0	1	0	2	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2467	0	0	0	0	2	0	1	0	2	0	4	1	Bacteria; OP3; PBS-25
Otu2466	2	0	0	2	3	7	1	2	1	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2469	0	3	3	1	0	0	2	2	1	2	5	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2468	2	1	1	2	0	1	2	3	0	3	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Parvibaculum
Otu4244	7	22	9	9	3	22	9	6	7	11	19	7	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Solirubrobacteraceae
Otu3848	0	1	2	0	0	2	0	1	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3133	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu3683	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu4249	0	0	2	11	5	4	1	0	2	0	0	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1108	1	1	0	5	0	7	0	19	4	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3031	2	0	1	0	1	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu4248	0	2	0	0	0	4	0	0	0	0	2	0	Bacteria; OP3; PBS-25
Otu3030	0	0	0	1	0	2	1	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3032	0	0	2	0	1	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Phenyllobacterium
Otu3685	0	0	0	0	0	0	3	0	0	0	1	0	Bacteria; Chloroflexi; Chloroflexi; AKIW781
Otu3828	0	2	0	0	0	1	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3239	0	0	0	0	0	2	1	0	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3237	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales
Otu3236	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae
Otu3235	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria; OD1; SM2F11
Otu3234	0	0	0	0	0	0	1	0	1	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu3233	0	3	0	0	0	3	0	0	0	0	0	0	Bacteria
Otu3232	0	0	1	3	0	3	3	1	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3231	0	1	1	1	2	3	2	3	1	1	2	1	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu3230	0	0	0	0	0	1	0	1	1	0	2	2	Bacteria; Proteobacteria

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2612	0	1	8	8	2	5	4	6	7	6	6	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3039	0	1	0	0	1	0	2	0	1	0	2	0	Bacteria; Chloroflexi; Ellin6529
Otu2688	0	0	1	0	0	0	2	2	0	2	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu4328	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3449	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2523	3	1	0	3	0	2	2	0	4	0	2	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2613	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales
Otu1745	0	1	0	1	0	0	4	3	0	2	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Acanthamoeba; Acanthamoeba_palestinensis
Otu1744	0	4	0	0	0	0	1	3	0	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu1747	3	4	1	1	0	1	2	5	0	2	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Entotheonellales; Entotheonellaceae
Otu1746	1	3	0	0	0	0	0	0	0	1	6	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1741	0	2	1	0	0	2	1	1	0	5	6	0	Bacteria
Otu1740	1	3	4	7	0	2	0	1	1	3	3	0	Bacteria; Actinobacteria; Rubrobacteria; Rubrobacterales; Rubrobacteraceae; Rubrobacter
Otu1743	0	0	1	1	4	0	0	1	0	0	0	7	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Lysobacter; Lysobacter_ximonensis
Otu1742	8	0	1	1	0	7	1	0	1	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2058	3	2	2	0	2	3	0	0	0	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2059	1	0	0	4	0	2	1	1	0	0	2	0	Bacteria; FBP
Otu1749	1	0	0	0	6	0	0	1	3	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1748	0	2	0	2	0	0	1	2	0	6	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1987	0	0	0	0	0	3	0	1	2	0	0	0	Bacteria; AD3; ABS-6
Otu1986	0	3	1	2	0	1	2	3	1	4	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1985	1	4	1	0	2	7	2	3	7	1	4	3	Bacteria; Elusimicrobia; Elusimicrobia; FAC88

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1984	0	0	2	0	6	4	4	3	2	3	0	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1983	0	3	1	6	0	1	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1982	1	4	0	0	0	2	3	3	3	1	2	3	Bacteria; Acidobacteria; TM1
Otu1981	0	1	2	3	0	1	0	5	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1980	3	2	3	2	1	1	0	0	1	2	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2053	4	6	3	4	4	3	3	3	4	2	8	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu4089	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae
Otu2298	23	41	28	32	21	10	18	36	15	32	25	7	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu2299	0	2	0	1	1	1	0	2	4	3	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1989	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1988	6	0	1	4	1	5	1	3	0	1	2	0	Bacteria; Planctomycetes; Planctomycetia; B97
Otu3344	0	1	4	2	5	8	3	4	11	15	9	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3838	0	1	0	2	0	0	0	0	1	3	3	0	Bacteria; Actinobacteria; Rubrobacteria; Rubrobacteriales; Rubrobacteraceae; Rubrobacter
Otu215	11	10	33	77	13	3	1	14	89	1	7	5	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu4322	1	2	0	2	1	3	0	4	1	3	3	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu3831	0	0	0	0	0	0	0	0	4	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3830	2	1	0	0	2	3	0	1	3	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacteraceae; Cystobacter
Otu3833	1	0	0	0	0	2	2	1	3	0	1	0	Bacteria; Proteobacteria
Otu3832	1	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3835	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3834	13	2	2	3	3	21	0	2	15	2	4	13	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Sediminibacterium
Otu3837	22	26	13	13	2	4	17	2	1	6	0	1	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3836	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2054	0	1	0	0	4	1	1	0	0	0	1	0	Bacteria; WS3; PRR-12; Sediment-1
Otu2611	1	4	4	3	5	4	2	1	0	3	6	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu214	1	0	0	100	7	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Azospirillum; Azospirillum_amazonense
Otu1408	1	0	0	1	0	0	2	5	0	0	0	0	Bacteria; Proteobacteria
Otu1409	1	0	1	0	1	1	5	5	1	1	1	0	Bacteria
Otu1402	6	1	1	4	1	1	0	2	5	3	0	0	Bacteria
Otu1403	12	10	12	18	6	33	9	13	16	8	10	17	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Mycobacteriaceae; Mycobacterium
Otu1400	1	14	1	8	5	9	4	1	2	1	0	1	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu1401	1	1	5	6	2	3	2	0	0	3	1	0	Bacteria
Otu1406	3	6	1	4	2	7	2	7	2	4	3	3	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; EB1017
Otu1407	0	5	4	1	0	2	0	3	2	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1404	1	1	0	5	1	7	0	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1405	0	0	0	0	0	0	0	0	8	0	0	0	Bacteria
Otu3142	0	1	3	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu1531	1	15	3	8	1	4	6	3	1	1	5	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu4207	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3939	7	7	3	5	2	44	17	22	31	3	16	6	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu217	22	23	20	22	12	6	14	7	4	47	85	1	Bacteria; Gemmatimonadetes; Gemm-3
Otu3905	0	0	2	2	0	0	5	7	3	6	3	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3904	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3907	0	0	0	0	3	0	0	0	0	1	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales; Phycisphaeraceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3906	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3901	4	9	5	7	6	4	4	4	2	7	13	2	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu3900	0	0	0	0	0	4	0	1	1	0	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu2188	0	3	0	0	0	0	2	2	0	1	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2189	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2186	54	26	46	118	23	83	26	26	47	39	20	79	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu2187	4	3	4	4	1	2	3	1	2	4	3	1	Bacteria
Otu2184	2	2	7	6	0	5	9	6	4	2	1	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2185	2	0	3	5	0	0	1	0	0	0	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2182	0	0	2	0	0	1	3	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhodiaceae; Afifella
Otu2183	0	1	0	7	0	2	0	0	1	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu2180	0	5	2	3	0	0	2	2	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu2181	2	4	1	3	3	1	0	2	2	2	1	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1536	0	0	0	0	3	0	6	0	0	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3349	0	0	1	1	0	0	0	0	0	0	0	2	Bacteria
Otu216	86	97	118	84	73	100	128	109	104	154	92	80	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu1576	0	2	0	0	0	0	0	10	0	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1577	1	0	3	5	4	5	4	7	4	12	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1574	0	2	0	0	1	4	1	0	0	0	7	0	Bacteria; OD1; ZB2
Otu1575	2	0	0	0	0	6	0	1	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu1572	2	1	2	0	0	5	1	0	2	1	1	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Kaistia
Otu1573	0	4	1	0	7	3	5	5	3	0	8	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1570	0	0	0	0	4	0	5	0	0	0	2	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaeae; Fluvicola
Otu1571	0	8	2	3	2	3	3	2	1	1	1	2	Bacteria
Otu1578	2	2	4	3	9	10	10	2	1	8	4	1	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1579	5	0	0	0	1	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Chloroflexales; Oscillochloridaceae; Oscillochloris
Otu2057	0	2	0	1	1	0	1	0	1	2	7	0	Bacteria; Verrucomicrobia
Otu2987	15	0	3	2	0	6	1	0	1	1	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu2984	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2985	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Cyanobacteria
Otu2982	0	5	3	9	1	9	2	0	1	2	3	0	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu2983	0	5	1	1	0	4	2	1	8	1	3	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2980	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria
Otu2981	5	2	1	6	5	9	2	2	0	5	4	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3348	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria
Otu211	48	77	58	104	62	166	32	50	91	38	80	17	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2988	2	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptococcaceae; Desulfosporosinus
Otu2989	0	0	0	0	0	0	0	0	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1534	0	1	0	4	0	9	4	1	3	1	1	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Actinosynnemataceae
Otu210	35	34	114	111	29	121	56	75	41	21	38	60	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu4049	0	0	0	3	0	8	1	0	2	1	0	0	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu4048	1	0	0	0	1	2	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4041	0	4	0	1	0	0	1	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu4040	1	0	0	0	0	0	0	0	2	1	2	0	Bacteria; Chloroflexi; TK10; B07_WMSP1; FFCH4570

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4043	13	4	12	31	7	52	19	13	13	27	2	34	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3609	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu4045	0	1	0	0	0	0	2	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu4044	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu4047	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; BRC1; PRR-11
Otu4046	0	1	2	1	2	0	0	0	1	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu213	40	38	32	72	36	98	64	68	36	89	76	30	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu4382	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2872	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2873	1	0	1	1	0	1	0	0	2	0	1	0	Bacteria; AD3; JG37-AG-4
Otu2870	0	0	0	2	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2871	0	1	2	0	0	0	0	1	1	0	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptosporangiaceae; Streptosporangium
Otu2876	0	0	2	2	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; BPC102
Otu2877	0	0	0	0	0	1	0	2	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2874	1	0	1	3	2	3	2	4	1	3	2	1	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2875	0	0	1	0	0	1	2	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales
Otu4444	9	10	15	9	8	31	9	7	14	13	13	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2878	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu2879	0	1	0	2	0	0	0	2	1	0	3	0	Bacteria; Planctomycetes; BD7-11
Otu4441	0	0	0	2	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu4440	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu4443	0	0	0	1	0	0	0	0	0	0	0	3	Bacteria; Tenericutes; CK-1C4-19

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu4442	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes
Otu2728	0	4	0	0	0	1	1	1	1	0	2	1	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu2729	3	3	0	5	2	5	2	1	1	9	4	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu212	18	13	21	22	10	39	10	96	42	9	19	16	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae; Conexibacter
Otu2722	0	0	0	0	1	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2723	3	5	3	10	2	6	6	6	8	9	3	2	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Erythrobacteraceae
Otu2720	1	1	0	1	0	0	3	2	0	5	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2721	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu2726	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2727	0	2	0	1	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2724	0	0	1	0	2	0	0	0	0	0	2	0	Bacteria; OD1; ABY1
Otu2725	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu3255	0	0	0	0	0	2	0	0	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3254	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu4213	3	3	3	0	0	4	0	0	5	1	0	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2618	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3257	0	0	0	0	3	0	2	2	2	5	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2161	0	0	0	3	0	3	2	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae
Otu3256	1	0	2	0	0	1	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1198	2	1	0	12	0	3	0	2	1	1	4	0	Bacteria; Chloroflexi; C0119
Otu1199	0	3	1	1	0	0	5	2	1	0	12	0	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu3913	0	4	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1194	3	5	2	12	4	2	3	0	1	3	7	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1195	6	2	2	5	4	12	6	9	6	5	5	6	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1196	0	0	0	7	0	0	0	0	8	0	0	1	Bacteria
Otu1197	0	3	0	0	0	2	12	7	1	0	2	0	Bacteria; TM6; SJA-4
Otu1190	0	9	3	2	0	2	4	0	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Hyphomonadaceae
Otu1191	0	0	1	0	0	0	0	8	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu1192	0	2	3	0	2	4	0	0	0	0	11	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1193	0	0	0	0	0	0	0	8	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3253	2	1	0	0	1	2	3	1	3	0	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1358	3	2	0	4	1	5	1	8	1	2	2	2	Bacteria; Proteobacteria
Otu1359	0	3	2	1	7	3	2	1	0	3	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1356	0	0	0	0	0	0	0	6	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1357	31	16	25	48	16	70	16	13	20	13	15	14	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu1354	1	9	1	4	4	8	0	14	1	2	9	0	Bacteria; Chloroflexi; S085
Otu1355	2	1	3	6	1	11	9	10	6	2	2	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1352	0	2	3	1	3	6	1	1	0	1	0	0	Bacteria; Armatimonadetes; OPB50
Otu1350	0	0	1	2	1	13	0	3	0	8	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1351	0	6	0	0	5	1	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2162	7	0	2	21	0	0	0	0	0	0	0	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2454	0	4	0	10	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae
Otu2614	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2615	1	2	2	8	2	1	2	1	0	4	7	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu329	79	35	42	126	18	136	13	20	33	9	46	60	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae
Otu328	41	20	32	41	13	79	26	38	28	27	24	23	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu499	11	11	7	7	12	44	11	20	18	12	24	5	Bacteria; Acidobacteria
Otu498	17	52	18	27	40	71	25	22	36	45	45	14	Bacteria; Planctomycetes; BD7-11
Otu497	7	13	14	17	7	28	17	18	14	13	19	6	Bacteria
Otu496	30	7	4	16	6	17	9	5	8	1	8	24	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu495	7	0	2	4	0	32	0	1	0	0	0	3	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu494	0	0	0	1	35	0	0	4	0	1	0	1	Bacteria; Bacteroidetes; VC2_1_Bac22
Otu493	0	11	0	1	11	5	0	0	0	1	49	0	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu492	8	6	11	23	56	82	19	23	11	25	20	23	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu491	14	26	25	28	17	50	34	54	15	36	26	9	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu490	45	4	5	29	9	11	6	6	4	1	1	4	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu4131	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Actinobacteria; Actinobacteria
Otu4130	38	2	9	13	2	54	3	0	1	0	2	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu4133	0	2	1	2	0	0	1	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu4132	1	0	0	5	0	0	0	0	1	0	1	1	Bacteria; Chloroflexi; Thermomicrobia; Ellin6537
Otu4135	3	3	8	20	3	26	10	9	10	8	8	4	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu4134	3	0	1	4	0	1	0	2	4	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1753	0	2	0	4	5	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu4136	1	0	0	0	0	0	1	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu4113	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu4138	0	2	4	6	2	7	5	10	2	0	1	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu2769	0	0	0	4	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Clostridium; Clostridium_citroniae
Otu3581	0	1	0	2	0	0	1	0	0	2	0	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3580	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3583	0	2	1	3	0	1	1	3	1	0	3	3	Bacteria; Armatimonadetes; 0319-6E2
Otu3582	0	0	0	0	0	2	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3585	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3584	0	0	2	1	0	5	1	0	0	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Telmatospirillum
Otu3587	0	0	2	3	0	8	0	1	0	3	0	3	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu3586	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu3589	5	5	4	2	1	6	1	3	1	7	4	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3588	0	6	0	6	3	3	3	0	2	2	3	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3931	0	0	1	1	0	0	0	0	0	0	3	0	Bacteria; Acidobacteria; TM1
Otu1118	2	2	1	3	2	20	1	2	5	5	3	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu4432	0	0	0	0	0	0	0	2	0	1	0	0	Bacteria
Otu4324	2	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu927	6	2	5	12	7	23	7	3	4	4	10	4	Bacteria; Chloroflexi; C0119
Otu925	9	12	7	13	1	19	3	7	0	4	4	3	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu924	0	4	3	5	5	24	6	14	11	2	2	12	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu923	3	11	0	4	0	7	3	0	0	3	9	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu922	8	18	8	8	12	6	7	6	4	13	20	12	Bacteria; Gemmatimonadetes; Gemm-1
Otu921	1	5	2	6	1	10	2	7	8	4	12	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu920	5	17	2	13	15	25	20	9	11	14	20	9	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Hyphomicrobium

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3051	0	0	0	0	3	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae
Otu3050	4	2	2	0	0	12	0	0	4	0	0	11	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Cytophaga
Otu3057	1	1	0	1	1	1	0	0	2	3	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3056	0	0	1	2	0	1	1	1	0	0	0	0	Bacteria; OD1; ZB2
Otu3055	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3054	102	76	73	180	111	108	83	30	62	232	61	70	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Rubrivivax
Otu4326	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4147	0	0	0	1	0	0	0	0	2	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3279	1	2	0	0	1	7	2	5	2	3	3	3	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu4391	0	1	0	0	0	0	0	0	0	0	4	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu1978	0	0	0	0	0	5	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1979	4	4	8	6	2	6	7	7	5	3	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu4390	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu1972	0	0	0	0	0	0	0	0	4	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1973	5	4	1	0	1	4	1	0	0	0	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Ellin506
Otu1970	2	20	2	8	2	9	13	18	16	1	7	4	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu1971	1	5	2	12	4	11	0	2	6	1	1	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1976	0	1	0	0	0	0	5	0	0	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1977	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1974	2	0	1	4	1	5	4	2	3	5	3	0	Bacteria; FBP
Otu1975	57	13	59	98	13	86	45	27	43	22	13	39	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu813	14	4	0	2	12	16	0	4	0	0	17	0	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu812	16	4	2	8	2	21	2	0	0	0	2	9	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae
Otu811	45	37	46	139	32	102	56	96	67	32	25	59	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu810	14	28	4	14	9	4	15	1	2	4	8	2	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu817	10	14	5	9	7	41	8	3	5	20	15	1	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu816	6	2	6	7	4	22	5	2	7	5	6	0	Bacteria
Otu815	0	1	1	0	17	23	4	9	5	7	2	13	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu814	0	4	0	2	2	8	10	16	7	0	4	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu3138	0	0	0	0	0	0	0	0	0	2	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3139	2	0	2	1	0	4	1	2	5	0	0	1	Bacteria; TM7; TM7-3
Otu819	51	62	47	92	49	106	17	37	48	75	46	22	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu818	4	0	0	0	0	1	0	0	0	1	0	17	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Brevundimonas; Brevundimonas_diminuta
Otu4394	0	1	3	1	1	1	1	0	0	0	4	0	Bacteria; OD1; SM2F11
Otu1503	1	4	2	9	0	4	4	0	0	0	5	0	Bacteria; Chloroflexi; Anaerolineae; S0208
Otu3935	0	1	0	0	0	0	2	3	1	0	0	0	Bacteria; TM6; SJA-4
Otu4397	16	3	5	74	21	14	0	2	5	1	2	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2478	0	0	0	0	3	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1502	2	8	1	3	3	6	1	0	1	4	1	1	Bacteria; Acidobacteria; Chloracidobacteria; PK29
Otu2476	0	0	3	1	0	0	1	1	3	1	0	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu2477	0	1	1	3	0	0	1	1	0	2	1	0	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu2474	0	0	0	0	2	3	0	0	0	1	0	0	Bacteria; Chlorobi
Otu2475	0	1	1	0	0	2	0	2	3	3	2	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2472	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu3221	0	0	0	0	0	0	0	0	3	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3222	0	0	0	0	1	0	1	2	2	3	1	1	Bacteria; ODI; SM2F11
Otu3223	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu3487	1	0	0	2	2	2	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu4323	0	0	0	1	0	1	0	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1752	0	11	2	1	0	0	0	0	0	0	5	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1019	8	1	2	9	0	0	4	10	11	10	10	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1750	4	0	1	4	0	4	4	2	1	2	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1751	2	0	1	4	1	1	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1756	4	0	1	0	0	2	1	0	2	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1757	0	0	0	5	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1754	32	46	39	97	39	61	38	30	39	71	77	17	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1018	4	5	7	13	7	2	0	0	0	1	10	0	Bacteria; Bacteroidetes
Otu2065	4	2	0	2	2	1	5	0	2	0	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2064	4	3	1	5	1	1	5	3	1	5	11	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1758	3	10	4	8	11	6	2	2	4	3	8	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu1759	0	5	1	0	3	2	2	0	0	1	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2061	1	0	0	0	1	0	0	0	3	1	3	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2060	0	3	0	3	3	1	0	1	1	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2063	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria
Otu2062	0	3	1	0	0	0	0	0	0	0	0	0	Bacteria
Otu1994	0	0	0	0	0	5	5	1	2	1	0	5	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu1995	1	1	1	2	0	6	0	0	1	0	4	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1996	0	1	0	0	0	4	5	0	2	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu1997	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1990	0	0	0	9	1	0	0	0	0	1	0	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu1991	5	6	3	5	6	7	7	6	1	3	8	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu1992	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu1993	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales
Otu2267	0	4	0	0	0	0	0	0	0	0	0	0	Bacteria; Chlorobi
Otu2266	0	1	0	0	0	1	0	4	1	1	2	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2265	0	0	0	0	0	0	1	4	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2264	2	3	1	2	2	8	2	2	2	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1998	2	1	6	3	5	10	3	6	3	1	3	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium; Clostridium_butyricum
Otu1999	3	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2261	3	0	2	3	2	2	1	3	4	1	4	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2260	0	0	0	0	0	0	0	3	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales
Otu2791	0	6	4	6	3	2	2	3	1	2	11	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2490	0	0	2	0	0	0	4	0	0	0	0	0	Bacteria; WPS-2
Otu2491	0	3	0	0	0	0	5	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu3839	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu978	0	17	3	2	19	32	0	2	11	3	46	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu4401	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu979	6	5	9	15	8	12	18	7	3	24	18	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu206	35	48	78	150	28	85	55	105	89	52	97	49	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu208	19	8	21	38	18	70	37	146	96	30	86	15	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu757	27	47	15	28	12	19	25	13	3	30	33	9	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu3912	0	0	3	8	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu974	5	15	6	3	4	14	9	2	0	6	5	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3910	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3911	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu1527	3	4	1	2	2	3	9	3	2	1	9	1	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu3917	18	3	4	8	4	21	2	5	2	5	11	2	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu3914	0	0	0	0	0	0	0	4	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria
Otu207	62	57	85	115	40	49	107	81	73	117	92	53	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu4400	0	0	0	0	0	4	0	0	0	1	1	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu3918	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3919	2	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu204	59	84	14	33	33	58	2	15	137	14	49	89	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu205	194	89	74	296	177	303	102	56	125	112	56	149	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu202	80	21	32	69	28	210	40	25	28	24	9	47	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Mycobacteriaceae; Mycobacterium
Otu203	118	53	154	336	53	152	128	68	110	72	43	136	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu14	560	167	1099	789	228	213	155	214	302	104	59	540	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Chthoniobacter
Otu15	429	513	565	734	421	1446	733	1000	635	618	835	387	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu16	160	3	1	1	27	1180	4	0	32	1	1	2	Bacteria; Cyanobacteria; Oscillatoriophyceae; Oscillatoriales; Phormidiaceae; Phormidium
Otu17	61	58	110	259	88	195	151	386	1051	235	318	470	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae

#OTU ID	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	taxonomy
Otu10	1460	17	54	210	1042	104	123	39	14	12	8	146	Bacteria; Bacteroidetes; Flavobacteria; Flavobacteriales; Weeksellaceae; Chryseobacterium
Otu200	23	99	35	46	42	41	41	32	14	61	68	13	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu12	233	108	210	1533	242	512	368	98	162	142	19	425	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales; Sphingobacteriaceae
Otu13	4	1	34	116	8	76	17	1271	434	77	115	253	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1509	1	0	0	5	1	1	0	1	0	0	1	0	Bacteria; Proteobacteria
Otu973	9	2	3	16	2	12	10	3	14	17	3	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu18	37	0	120	902	130	94	2	8	4	37	6	88	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu19	94	60	181	973	70	107	21	22	158	40	19	25	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2087	0	0	4	0	1	6	0	0	0	0	3	3	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacterales; Ktedonobacteraceae
Otu2086	3	3	4	6	8	15	2	8	10	2	4	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Frankiaceae
Otu2085	5	6	3	3	2	5	5	0	1	1	3	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu2084	2	1	0	1	2	3	0	1	1	2	0	0	Bacteria; FBP
Otu2083	0	0	0	0	0	1	0	0	0	0	4	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu2082	0	0	0	1	0	4	1	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2081	0	5	1	0	4	2	1	0	0	4	0	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2080	0	0	0	0	0	3	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2089	0	0	1	3	0	1	1	0	0	6	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2088	0	13	3	3	1	0	1	0	0	2	1	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae

group	shared OTU_number/ unique OTU_number	OTU_ID
Z111086	393	<p>Otu1068,Otu1077,Otu1131,Otu1156,Otu1193,Otu1247,Otu1311,Otu1323,Otu1356,Otu1365,Otu1405,Otu1456,Otu1465,Otu1491,Otu1512,Otu1586,Otu1600,Otu1654,Otu1666,Otu1709,Otu1734,Otu1766,Otu1775,Otu1787,Otu1843,Otu1861,Otu1893,Otu1945,Otu1946,Otu1965,Otu1972,Otu1993,Otu2015,Otu2038,Otu2042,Otu2051,Otu2073,Otu2079,Otu2092,Otu2094,Otu2136,Otu2141,Otu2146,Otu2153,Otu2174,Otu2191,Otu2211,Otu2212,Otu2242,Otu2249,Otu2252,Otu2260,Otu2265,Otu2273,Otu2283,Otu2300,Otu2330,Otu2339,Otu2346,Otu2381,Otu2386,Otu2391,Otu2392,Otu2404,Otu2426,Otu2434,Otu2455,Otu2462,Otu2470,Otu2486,Otu2492,Otu2515,Otu2521,Otu2528,Otu2533,Otu2540,Otu2560,Otu2576,Otu2578,Otu2579,Otu2582,Otu2606,Otu2608,Otu2613,Otu2614,Otu2618,Otu2620,Otu2626,Otu2627,Otu2629,Otu2631,Otu2633,Otu2642,Otu2643,Otu2646,Otu2651,Otu2652,Otu2654,Otu2655,Otu2658,Otu2662,Otu2676,Otu2684,Otu2691,Otu2694,Otu2698,Otu2699,Otu2706,Otu2707,Otu2716,Otu2732,Otu2734,Otu2738,Otu2748,Otu2770,Otu2773,Otu2775,Otu2777,Otu2783,Otu2797,Otu2798,Otu2806,Otu2823,Otu2826,Otu2833,Otu2842,Otu2848,Otu2849,Otu2858,Otu2863,Otu2872,Otu2884,Otu2887,Otu2900,Otu2902,Otu2906,Otu2911,Otu2933,Otu2935,Otu2947,Otu2949,Otu2953,Otu2961,Otu2965,Otu2969,Otu2972,Otu2974,Otu2980,Otu2984,Otu2985,Otu2986,Otu2989,Otu2991,Otu2992,Otu3006,Otu3018,Otu3019,Otu3020,Otu3027,Otu3036,Otu3045,Otu3062,Otu3063,Otu3087,Otu3090,Otu3091,Otu3099,Otu3101,Otu3124,Otu3126,Otu3137,Otu3138,Otu3143,Otu3145,Otu3147,Otu3155,Otu3157,Otu3162,Otu3163,Otu3165,Otu3167,Otu3171,Otu3178,Otu3180,Otu3188,Otu3191,Otu3196,Otu3209,Otu3217,Otu3221,Otu3228,Otu3229,Otu3234,Otu3236,Otu3242,Otu3246,Otu3262,Otu3265,Otu3266,Otu3267,Otu3275,Otu3283,Otu3291,Otu3300,Otu3307,Otu3308,Otu3309,Otu3310,Otu3312,Otu3313,Otu3314,Otu3315,Otu3317,Otu3318,Otu3323,Otu3337,Otu3346,Otu3352,Otu3358,Otu3360,Otu3365,Otu3367,Otu3370,Otu3372,Otu3390,Otu3396,Otu3399,Otu3421,Otu3427,Otu3433,Otu3440,Otu3449,Otu3452,Otu3456,Otu3462,Otu3472,Otu3489,Otu3503,Otu3514,Otu3520,Otu3521,Otu3523,Otu3533,Otu3535,Otu3543,Otu3545,Otu3567,Otu3569,Otu3572,Otu3580,Otu3586,Otu3591,Otu3592,Otu3593,Otu3605,Otu3606,Otu3608,Otu3610,Otu3613,Otu3620,Otu3621,Otu3622,Otu3623,Otu3635,Otu3652,Otu3658,Otu3668,Otu3669,Otu3683,Otu3685,Otu3691,Otu3692,Otu3696,Otu3705,Otu3706,Otu3709,Otu3728,Otu3734,Otu3736,Otu3738,Otu3741,Otu3742,Otu3747,Otu3750,Otu3767,Otu3769,Otu3777,Otu3784,Otu3786,Otu3813,Otu3818,Otu3831,Otu3839,Otu3841,Otu3845,Otu3846,Otu3861,Otu3869,Otu3875,Otu3876,Otu3887,Otu3890,Otu3897,Otu3898,Otu3908,Otu3909,Otu3911,Otu3914,Otu3920,Otu3924,Otu3926,Otu3928,Otu3933,Otu3937,Otu3940,Otu3957,Otu3958,Otu3961,Otu3964,Otu3972,Otu3973,Otu3975,Otu3983,Otu3994,Otu3998,Otu4000,Otu4002,Otu4005,Otu4011,Otu4012,Otu4019,Otu4022,Otu4031,Otu4032,Otu4044,Otu4053,Otu4056,Otu4060,Otu4073,Otu4080,Otu4092,Otu4099,Otu4100,Otu4101,Otu4106,Otu4115,Otu4122,Otu4131,Otu4152,Otu4171,Otu4180,Otu4184,Otu4187,Otu4193,Otu4199,Otu4200,Otu4201,Otu4206,Otu4208,Otu4215,Otu4229,Otu4236,Otu4255,Otu4263,Otu4276,Otu4277,Otu4286,Otu4287,Otu4297,Otu4299,Otu4301,Otu4302,Otu4303,Otu4306,Otu4307,Otu4309,Otu4310,Otu4311,Otu4317,Otu4319,Otu4344,Otu4350,Otu4355,Otu4368,Otu4372,Otu4380,Otu4382,Otu4389,Otu4404,Otu4419,Otu4425,Otu4427,Otu4432,Otu4434,Otu4437,Otu4438,Otu4440,Otu61,Otu694</p>

Table S4. OTU_table_for_biom of Z31DSO & Z31J1DSO(16S)

# Construct													
#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3439	1	0	0	3	0	0	0	0	1	0	0	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu3438	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1219	5	3	3	4	11	0	5	2	3	1	8	2	Bacteria; Actinobacteria; Rubrobacteria; Rubrobacterales; Rubrobacteraceae; Rubrobacter
Otu1218	3	2	0	10	1	7	6	0	0	8	5	4	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu1217	2	5	4	4	0	2	0	1	1	5	7	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1216	10	1	0	1	4	1	0	0	0	0	1	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu1215	6	2	3	14	0	8	9	10	16	9	4	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1214	1	0	0	3	1	3	2	1	5	6	5	6	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu1213	6	6	7	3	1	3	7	1	1	8	5	0	Bacteria; Chloroflexi; S085
Otu1212	10	0	1	4	1	1	2	0	0	2	5	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu1211	5	1	0	5	1	3	3	2	6	3	2	6	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1210	0	0	0	6	0	1	2	1	2	6	3	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu2889	2	0	2	0	1	0	0	0	0	1	1	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2888	2	0	0	0	0	1	2	5	2	0	1	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2887	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2886	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2885	1	0	1	0	2	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2884	6	5	0	0	1	1	0	0	0	1	2	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2883	0	0	1	0	0	0	0	0	0	0	0	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2882	3	2	1	1	0	0	1	2	1	0	4	0	Bacteria; BRC1; PRR-11

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2881	0	0	2	0	1	0	3	0	2	0	1	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2880	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3431	10	6	5	5	7	3	2	0	9	9	4	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2799	0	0	0	1	0	3	0	1	2	0	0	0	Bacteria
Otu3430	3	0	1	0	1	0	0	2	2	2	1	0	Bacteria; Armatimonadetes; OPB50
Otu2798	0	0	0	2	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi
Otu3418	2	0	0	1	0	2	2	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1329	0	2	1	3	6	0	8	1	6	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1328	3	1	4	0	0	4	2	0	1	14	2	2	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu1323	5	4	1	6	4	6	2	5	6	7	1	7	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu1322	5	1	4	5	3	0	6	0	1	6	11	3	Bacteria
Otu1321	1	1	4	0	3	0	1	0	1	5	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Asticcacaulis; Asticcacaulis_biprosthecium
Otu1320	1	1	3	3	2	2	6	0	0	1	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1327	5	5	1	0	5	1	0	2	1	2	4	2	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; JG37-AG-70
Otu1326	6	6	6	15	7	9	26	6	20	11	22	8	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1325	3	3	11	0	2	0	2	4	0	1	7	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu1324	7	0	1	2	0	2	0	1	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu318	68	24	23	28	22	17	64	31	22	33	46	31	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu319	30	1	9	21	0	1	21	30	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2661	0	0	0	1	1	1	0	0	0	1	2	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2660	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2667	0	0	1	1	0	2	1	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2666	1	1	1	6	2	0	2	2	0	3	2	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2665	2	0	0	0	0	0	0	0	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaeciales
Otu2664	1	1	0	0	1	0	0	0	0	0	2	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu310	26	36	15	30	42	14	15	11	12	27	39	17	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu311	50	32	49	44	36	52	41	16	31	33	88	14	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu312	3	5	6	36	4	7	18	22	24	19	15	27	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu313	75	14	13	18	29	4	3	6	5	24	26	18	Bacteria; Acidobacteria; Chloracidobacteria; PK29
Otu314	0	0	0	1	4	40	0	0	3	0	1	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu315	25	15	24	21	7	18	57	15	24	11	49	8	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Geodermatophilaceae
Otu316	145	42	48	94	36	84	81	121	148	110	79	102	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu317	17	17	14	24	8	35	31	19	28	11	12	8	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3093	0	0	1	2	0	0	1	1	1	1	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3203	0	0	1	3	1	0	0	0	1	1	2	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu338	0	0	0	0	0	0	0	0	0	0	0	40	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu798	5	13	8	4	6	0	0	2	7	3	7	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu799	7	1	5	11	2	3	4	2	3	12	1	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu794	96	56	39	60	44	18	59	39	39	61	96	42	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu795	15	7	6	4	3	2	2	1	3	1	8	0	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu796	0	13	0	3	8	0	0	1	5	1	0	1	Bacteria; TM6; SJA-4
Otu797	4	4	21	11	17	10	14	9	14	9	26	1	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu790	0	1	5	11	0	0	13	6	10	0	4	9	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu791	14	4	12	19	3	6	16	11	16	6	12	7	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu792	1	0	3	9	7	5	12	1	6	4	5	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu793	13	0	0	1	1	2	2	1	3	2	8	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1037	1	3	6	10	5	8	9	3	3	3	10	2	Bacteria; Chloroflexi; C0119
Otu1036	12	6	13	4	5	7	10	0	5	3	22	3	Bacteria; Chloroflexi; Ellin6529
Otu1035	2	0	1	0	0	2	1	2	9	1	1	2	Bacteria; Acidobacteria; Chloracidobacteria
Otu1034	10	2	7	11	3	3	3	7	3	8	7	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1033	0	1	3	2	10	0	8	1	0	1	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingobium
Otu1032	10	12	15	13	9	10	20	12	10	7	31	10	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu558	16	16	15	65	19	55	24	65	56	28	32	13	Bacteria; Chloroflexi; Anaerolineae; SBR1031
Otu559	27	5	11	12	6	30	19	14	16	18	16	12	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu556	45	60	75	112	52	98	57	74	80	64	78	79	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu557	8	5	37	23	12	8	49	14	3	5	4	22	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micrococcaceae
Otu554	26	30	40	28	26	38	31	25	39	21	41	19	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Dactylosporangium
Otu555	5	2	5	19	12	4	10	5	15	11	5	7	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu552	1	2	6	11	2	6	0	5	26	4	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu553	2	3	12	15	2	6	12	9	14	7	16	8	Bacteria
Otu550	48	8	10	10	3	4	4	0	4	10	14	1	Bacteria; Planctomycetes; Pla4
Otu551	16	5	11	15	6	0	13	0	0	5	16	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu776	1	1	5	11	2	4	3	10	14	4	4	7	Bacteria; Proteobacteria
Otu777	1	2	9	4	2	1	2	2	0	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; 0319-6G20
Otu774	14	8	2	11	9	12	5	4	10	6	14	3	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu775	9	9	7	6	11	8	2	2	1	3	12	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu772	10	3	7	10	4	14	19	11	19	10	3	8	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Janthinobacterium
Otu773	52	32	23	29	12	6	55	21	15	23	26	17	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu954	1	0	10	8	3	6	11	5	1	0	5	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu955	1	4	5	4	3	10	1	1	1	2	10	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu958	10	5	3	5	0	2	1	1	3	3	1	1	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu959	10	6	4	11	4	2	13	4	6	7	10	2	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu778	12	1	0	0	2	0	0	0	0	0	6	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu779	1	13	15	14	18	5	8	4	4	3	16	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu3201	0	1	1	1	0	0	0	0	1	2	2	0	Bacteria; ODI; ABY1
Otu3048	0	1	0	3	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3049	2	0	0	0	1	0	0	1	0	1	1	0	Bacteria; Chlorobi
Otu3040	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3041	10	1	5	7	8	6	1	1	3	4	19	11	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu3042	12	2	3	9	3	11	5	9	14	7	6	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3043	0	2	0	1	0	2	0	0	0	2	4	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3044	0	1	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae
Otu3045	3	5	2	2	3	1	7	4	3	1	3	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Intrasporangiaceae; Phycococcus
Otu3046	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3047	3	2	2	0	0	1	2	3	1	0	3	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae
Otu2380	2	0	0	0	0	0	0	1	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2046	3	1	1	1	2	4	2	3	0	1	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1848	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; AK1AB1_02E

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3175	0	0	0	2	1	0	1	2	1	2	2	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1849	4	0	0	2	0	0	2	0	0	2	0	1	Bacteria; Armatimonadetes; OPB50
Otu3109	1	0	1	1	1	1	1	0	2	1	0	2	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3108	0	0	0	0	1	0	0	0	0	3	3	2	Bacteria
Otu2381	2	0	0	0	0	2	0	0	0	2	0	0	Bacteria
Otu3104	0	0	0	1	0	2	1	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu3107	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae; Conexibacter
Otu3106	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3101	0	0	0	0	0	0	0	0	5	2	1	0	Bacteria; ODI; SM2F11
Otu3100	1	0	0	0	0	0	1	3	0	1	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3103	2	0	0	2	1	0	0	1	1	1	1	1	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu3102	2	7	2	4	3	0	1	1	0	1	4	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2409	2	0	1	2	2	1	1	0	3	2	2	1	Bacteria; Planctomycetes; vadinHA49; DH61
Otu2048	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2403	2	0	0	0	0	0	0	0	1	2	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2402	2	0	1	2	1	0	2	0	1	2	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2401	0	0	0	0	0	2	1	0	1	0	1	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu2400	0	0	1	0	0	0	0	2	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2407	1	0	1	1	1	0	0	2	0	2	2	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu2406	2	0	0	0	0	0	0	0	1	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2405	0	1	0	3	0	0	1	0	2	2	0	1	Bacteria; Bacteroidetes
Otu2404	3	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu174	145	123	74	134	70	69	33	21	38	88	114	25	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu175	34	16	27	36	14	17	40	18	55	66	23	34	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu176	7	13	97	7	5	0	3	0	9	4	6	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu177	142	59	31	63	62	16	43	20	26	60	71	33	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu170	87	90	54	64	32	38	106	81	98	72	48	57	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu171	38	17	119	56	34	23	68	29	19	171	30	61	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Comamonas
Otu172	0	3	0	0	1	0	0	0	0	26	67	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu173	0	3	7	11	1	0	99	14	9	17	14	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu178	80	22	23	32	21	17	40	28	38	47	41	35	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu179	29	10	29	52	13	13	71	84	55	68	37	67	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1693	1	2	0	3	1	4	1	2	2	2	0	0	Bacteria; Acidobacteria; TM1
Otu1692	2	3	3	0	0	0	0	0	0	2	0	1	Bacteria; Bacteroidetes
Otu1691	2	3	0	0	3	2	0	0	0	1	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1690	0	3	1	2	1	5	0	0	1	3	0	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1697	3	4	1	7	4	3	2	0	7	15	3	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1696	7	6	9	4	13	1	2	5	11	6	3	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1695	0	3	0	6	0	4	4	5	5	0	3	3	Bacteria; FCPU426
Otu1694	0	0	0	0	0	0	0	0	0	4	3	0	Bacteria; Chloroflexi; C0119
Otu1846	0	0	0	0	0	0	3	0	0	0	0	0	Bacteria; Proteobacteria
Otu1699	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1698	4	3	0	2	0	2	2	1	1	2	3	1	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1847	0	0	0	1	0	0	0	1	0	0	0	3	Bacteria; TM6; SJA-4

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1513	6	0	0	0	0	3	0	0	0	3	1	2	Bacteria; Chlamydiae; Chlamydiai; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu2128	1	1	0	0	1	0	0	0	0	0	4	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu2129	10	16	18	10	5	10	17	18	15	12	19	22	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2317	36	24	19	40	21	36	23	37	21	58	81	27	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2316	0	0	1	3	0	0	0	2	3	5	1	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu2315	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2314	0	0	0	0	1	0	1	2	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2313	2	0	1	1	0	0	0	0	1	0	2	0	Bacteria; WS3; PRR-12; Sediment-1
Otu2312	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2311	3	1	0	0	1	0	0	0	1	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2310	16	2	9	6	7	2	3	7	8	9	12	3	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu3211	0	0	0	1	2	0	0	0	1	0	0	1	Bacteria; TM6
Otu3210	0	3	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3213	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3212	2	0	0	0	1	0	0	0	1	1	0	0	Bacteria; TM7; TM7-1
Otu3215	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Kaistia
Otu3214	4	1	0	2	1	9	0	0	2	2	1	1	Bacteria; Planctomycetes; Phycisphaerae; CPla-3
Otu2319	0	0	1	0	0	3	1	0	2	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2318	2	5	3	5	0	6	2	0	3	1	4	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2124	0	0	0	1	1	1	1	0	3	0	0	2	Bacteria
Otu2125	0	0	1	0	0	0	3	0	0	0	3	0	Bacteria; Firmicutes; Bacilli; Bacillales
Otu2388	3	4	3	4	2	6	5	1	2	2	3	2	Bacteria; Elusimicrobia; Elusimicrobia; IIb

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2389	4	1	0	2	1	0	0	1	1	0	4	2	Bacteria; Acidobacteria; Acidobacteria-6
Otu2289	1	0	0	2	2	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1515	4	4	3	3	0	4	3	1	0	1	3	1	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2288	0	0	1	1	0	0	0	1	0	2	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Gracilibacteraceae
Otu2078	58	21	31	55	16	35	43	40	49	49	46	19	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2079	0	0	0	1	3	1	0	0	0	0	0	0	Bacteria
Otu2072	3	0	0	0	0	0	0	0	0	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2073	2	0	2	3	3	1	1	0	0	1	7	2	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu2070	2	0	0	2	1	0	4	0	3	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu2071	17	2	9	13	8	7	13	6	2	12	16	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Ellin506
Otu2076	0	0	1	2	0	3	2	0	4	1	1	0	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu2077	0	0	0	0	0	0	0	0	0	3	1	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu2074	12	6	11	14	5	12	17	11	8	9	16	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaceae; Pseudonocardia
Otu2075	1	1	2	2	2	0	0	2	3	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2387	0	0	0	0	0	0	1	0	0	4	0	2	Bacteria; TM7; SC3
Otu2278	1	0	1	1	2	2	0	0	0	1	4	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2279	3	0	0	0	0	0	0	0	0	1	0	1	Bacteria; WPS-2
Otu2274	1	0	1	0	0	0	0	1	0	2	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhodobiaceae; Afifella
Otu2275	0	0	0	2	0	0	0	0	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2276	0	2	2	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2277	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2270	0	1	0	1	0	1	1	1	2	1	2	0	Bacteria; Elusimicrobia; Elusimicrobia; I1b

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2271	0	2	0	1	0	0	0	2	1	2	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2272	4	1	3	2	0	0	0	0	1	2	4	1	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2273	1	4	2	2	0	0	1	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu3012	0	1	1	2	0	1	3	0	1	2	1	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu3011	1	1	0	2	0	1	1	2	1	0	0	1	Bacteria; Acidobacteria; DA052; Ellin6513
Otu2026	9	1	1	4	1	0	3	2	1	2	1	0	Bacteria
Otu3010	2	0	0	2	0	1	0	1	1	1	2	1	Bacteria
Otu61	12	5	27	69	40	205	6	30	79	19	55	14	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu60	91	65	80	156	75	58	121	114	92	99	85	54	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu63	233	69	53	112	49	44	153	99	84	139	110	96	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu62	146	26	135	161	26	46	115	21	14	37	95	35	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu65	8	3	5	86	17	161	23	8	12	24	43	30	Bacteria; Cyanobacteria
Otu64	115	141	30	183	103	78	76	76	150	194	77	181	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu67	202	80	94	237	73	107	181	236	216	140	152	146	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu66	198	108	108	109	137	27	75	24	44	132	185	36	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu69	151	58	23	20	37	8	38	11	25	31	59	34	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu68	9	73	131	2	88	36	38	25	2	29	3	237	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu3018	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu3319	7	5	1	3	3	2	1	2	1	3	2	1	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu3098	1	0	0	0	1	1	0	5	1	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2094	1	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2095	3	1	0	0	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2096	3	3	5	10	4	5	9	9	15	11	21	5	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2097	2	0	1	0	0	2	1	1	0	5	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2090	0	0	1	2	0	0	2	0	5	1	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2091	0	0	1	3	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2092	23	9	11	19	6	33	15	16	11	47	12	44	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2093	0	3	1	0	4	2	0	0	1	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu2098	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2099	0	2	0	1	0	0	3	0	0	3	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2604	0	0	0	0	0	0	2	3	2	0	0	1	Bacteria; Bacteroidetes
Otu1040	0	0	0	0	2	0	2	0	0	0	9	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellales; Aquicella
Otu1041	91	55	27	31	28	16	38	20	15	27	42	21	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu197	63	68	52	57	53	23	33	13	16	32	85	13	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1208	3	3	5	7	4	3	2	2	3	0	4	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1209	1	3	5	0	3	1	0	0	0	0	8	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1204	6	0	2	3	1	6	3	0	0	1	4	1	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1205	1	0	1	3	1	0	0	0	7	0	3	0	Bacteria
Otu1206	9	8	5	3	1	7	15	5	10	5	7	3	Bacteria; Chloroflexi; C0119
Otu1207	2	2	1	0	10	2	1	4	0	0	5	2	Bacteria
Otu1200	2	0	3	6	1	2	4	3	5	2	5	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1201	5	1	0	0	2	1	1	0	3	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1202	10	1	2	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1203	11	2	15	14	3	12	16	8	11	11	25	6	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2898	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacterales; Ktedonobacteraceae
Otu2899	2	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Chlorobi; Ignavibacteria; Ignavibacteriales; Ignavibacteriaceae
Otu2894	1	2	5	3	3	3	7	1	6	4	9	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2895	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2896	0	1	2	0	2	3	1	4	2	0	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2897	9	5	5	5	0	2	14	4	3	8	5	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu2890	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1048	0	0	0	0	2	0	1	0	0	1	0	10	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu2892	13	6	6	10	4	5	11	5	2	2	4	4	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2893	4	1	1	4	1	5	8	9	3	2	2	3	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Phenylobacterium
Otu1049	22	2	3	4	1	6	2	1	2	1	6	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1935	3	2	2	0	0	0	0	0	1	0	0	0	Bacteria; TM6; SJA-4
Otu3191	7	4	6	6	3	2	1	0	4	3	0	3	Bacteria; Gemmatimonadetes; Gemm-1
Otu3459	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3458	0	3	0	0	1	0	0	0	1	1	4	0	Bacteria; OD1; SM2F11
Otu3457	1	1	0	2	2	0	1	0	0	1	1	0	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3456	3	0	0	0	0	0	0	0	0	0	0	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3455	0	2	0	1	0	1	0	0	1	0	0	0	Bacteria; FBP
Otu3454	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3453	0	2	1	2	0	0	3	0	1	1	3	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae; Nocardioidea
Otu3451	3	0	0	1	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3450	1	2	0	0	0	1	1	1	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1338	0	0	3	6	5	1	1	0	0	3	4	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1339	4	5	2	7	2	3	3	0	2	10	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1330	3	1	5	3	0	5	0	0	1	3	3	4	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1331	7	1	5	10	5	4	16	5	6	3	7	6	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1332	6	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; OM190; CL500-15
Otu1333	7	0	2	4	2	3	3	1	5	3	1	3	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu1334	0	1	2	3	1	0	3	4	5	15	3	4	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1335	11	11	5	9	6	0	14	5	3	3	12	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1336	0	0	0	5	2	0	1	1	0	0	5	0	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu1337	3	0	1	7	0	1	3	0	0	2	0	2	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2670	3	0	0	0	0	0	0	0	1	0	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2671	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; vadinHA49; p04_C01
Otu2672	0	0	0	2	0	0	0	0	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2673	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu2674	0	0	0	1	0	1	0	1	1	0	0	3	Bacteria
Otu2675	11	3	3	6	0	0	8	3	4	7	7	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2676	2	0	0	1	2	1	0	1	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2677	4	1	4	8	6	3	12	4	7	15	5	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2678	0	0	0	0	0	1	0	0	0	2	0	1	Bacteria; TM6; SJA-4
Otu2679	0	0	1	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3447	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1939	0	0	4	3	0	1	0	0	0	0	4	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Candidatus_Glomeribacter

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu789	1	6	0	5	1	0	1	0	0	14	3	0	Bacteria; Verrucomicrobia; Opitutae; Cerasicoccales; Cerasicocaceae
Otu788	2	5	6	16	4	22	11	14	19	15	15	16	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu3137	3	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu783	28	9	9	7	5	1	10	1	1	5	5	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu782	48	29	29	35	20	27	24	23	30	22	33	26	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu781	5	6	3	24	1	4	9	5	12	4	9	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu780	12	0	1	1	0	0	1	0	1	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu787	40	21	67	36	29	12	74	20	43	27	55	19	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu786	24	5	9	26	5	16	22	20	21	16	15	22	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu785	11	8	12	11	1	8	12	11	5	6	7	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae
Otu784	6	1	5	3	5	0	4	0	0	4	11	2	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu1024	1	0	2	7	7	0	0	1	1	4	3	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1025	8	4	2	2	3	0	0	0	0	0	4	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu1026	11	0	3	3	0	0	5	0	1	0	2	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1027	9	4	3	9	2	8	5	7	3	5	17	6	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1020	6	2	3	1	2	1	11	2	4	10	6	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1021	5	20	6	20	14	14	11	23	31	14	18	19	Bacteria; Chlorobi
Otu1022	8	6	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1023	1	8	7	3	5	3	9	1	6	0	15	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu545	21	7	5	3	1	3	3	0	1	1	5	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu544	20	1	1	11	3	1	4	4	8	0	7	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu547	1	1	2	1	1	1	0	0	0	27	1	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacterales; Flavobacteriaceae; Flavobacterium

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu546	20	7	3	1	1	1	1	0	0	3	6	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Adhaeribacter
Otu1028	0	3	7	5	1	8	3	3	5	2	25	2	Bacteria; Firmicutes; Clostridia; OPB54
Otu1029	7	0	2	2	1	4	4	0	1	4	1	2	Bacteria; Chlorobi
Otu543	28	10	11	10	11	6	19	7	9	3	6	6	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu542	7	2	8	23	8	24	4	18	21	7	10	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu765	9	4	11	8	9	8	8	11	14	9	14	3	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu764	0	0	0	0	0	0	0	0	0	0	13	0	Bacteria; Proteobacteria
Otu943	17	4	5	7	4	3	14	0	4	5	10	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae; Balneimonas
Otu766	0	3	1	5	2	1	3	1	1	14	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu945	2	3	1	6	2	5	8	3	11	4	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu760	14	5	8	14	3	4	14	4	7	7	8	5	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu947	4	6	6	11	0	2	2	2	7	18	5	11	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu946	8	4	2	4	0	0	2	0	0	2	1	1	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu949	0	18	6	8	7	6	2	10	5	1	5	3	Bacteria; Planctomycetes; C6; MVS-107
Otu948	2	6	8	4	1	0	1	1	0	6	9	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu3274	0	0	0	0	0	2	0	0	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu769	14	1	1	0	1	0	0	0	0	0	3	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu768	1	0	2	2	0	2	5	11	4	1	1	3	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3075	31	6	5	13	5	9	28	16	17	15	20	17	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu3074	0	0	0	0	4	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3077	0	0	0	0	0	0	1	0	0	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3076	0	0	0	0	0	0	1	0	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3071	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3070	0	0	2	0	0	3	0	1	2	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu3073	0	1	1	2	0	0	1	0	1	0	1	0	Bacteria
Otu3072	0	0	0	0	0	0	0	0	0	2	1	0	Bacteria; Cyanobacteria; ML635J-21
Otu3079	0	0	0	0	0	0	0	0	2	1	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3078	12	0	0	2	2	1	0	1	1	4	3	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3278	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu307	32	0	46	5	6	17	2	4	2	25	3	33	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu306	2	8	3	7	5	2	18	3	13	47	5	4	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Caulobacter
Otu305	79	20	43	34	23	28	20	15	16	33	43	14	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu304	10	6	13	33	15	27	17	18	24	40	23	28	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu303	95	62	44	35	32	7	49	22	12	26	40	37	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Rubrivivax
Otu302	11	1	14	18	7	29	6	28	38	9	10	22	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu301	1	0	38	0	0	0	0	0	1	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu300	25	13	22	29	15	22	31	24	44	19	31	13	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu2669	2	2	1	0	0	1	0	0	0	3	0	2	Bacteria; Proteobacteria; Deltaproteobacteria
Otu309	68	41	55	54	69	9	14	8	13	24	71	7	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu308	10	2	12	19	5	37	17	33	24	42	8	39	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; DA101
Otu2331	1	0	0	1	1	1	1	0	1	3	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2668	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi
Otu2330	14	11	1	3	6	1	8	4	2	3	10	6	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2333	0	0	1	1	0	0	1	0	0	2	1	0	Bacteria; FBP

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3118	0	1	0	0	1	0	4	1	0	0	1	2	Bacteria; TM7; SC3
Otu2332	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae
Otu3112	23	9	7	12	5	6	17	13	16	16	16	17	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2335	1	3	2	4	2	2	3	0	3	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3110	1	2	0	3	5	2	0	0	3	1	1	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3111	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3116	9	4	2	11	7	2	17	6	9	7	11	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3117	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu3114	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2334	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2418	0	0	0	0	1	0	1	0	1	2	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu2419	0	0	0	0	0	0	0	2	2	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2337	1	0	0	5	0	2	0	2	4	4	2	3	Bacteria; ODI; SM2F11
Otu2410	2	3	1	6	0	2	6	4	5	1	1	7	Bacteria; TM7; TM7-1
Otu2411	0	2	2	1	2	1	1	0	1	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2412	0	0	0	0	0	1	0	0	0	0	3	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu2336	0	1	5	0	0	4	5	0	0	11	0	9	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2414	0	0	2	0	0	1	0	0	0	0	0	1	Bacteria
Otu2415	1	2	2	1	5	4	5	3	2	2	12	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2416	64	94	35	59	19	0	19	8	4	7	12	2	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2417	7	5	18	23	10	6	15	8	3	12	27	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu163	90	12	14	14	7	7	18	2	2	13	25	5	Bacteria; Acidobacteria; Solibacteres; Solibacteriales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1920	1	4	0	0	1	0	0	0	0	0	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3207	2	0	0	1	0	4	1	1	1	2	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu3204	10	4	2	0	0	0	2	0	1	1	1	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu3205	0	0	0	2	0	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae
Otu3202	0	1	1	1	2	0	0	1	5	1	1	3	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales
Otu3172	0	0	0	0	0	1	0	0	0	0	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3200	0	0	2	2	0	0	0	0	1	0	0	1	Bacteria
Otu2986	0	0	0	0	1	0	3	0	1	0	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3173	1	0	0	1	0	1	1	1	1	2	1	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3208	0	1	0	2	0	0	3	1	0	0	2	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu3209	0	0	0	0	1	1	1	0	0	3	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2304	0	0	1	0	0	1	0	0	0	0	2	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu2305	0	4	1	0	1	4	0	1	1	1	2	6	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu2306	0	1	0	2	1	1	2	0	0	2	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2307	0	2	0	7	4	4	3	0	1	5	4	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2300	2	3	2	0	1	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2301	0	0	0	5	1	1	5	0	1	1	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2302	1	0	3	3	0	0	1	1	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2303	0	0	2	0	2	3	2	0	0	0	0	0	Bacteria; Chloroflexi
Otu2308	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; S035
Otu2309	0	0	0	3	1	0	1	1	0	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3219	2	4	4	3	1	1	0	0	0	1	1	0	Bacteria; Actinobacteria; Actinobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2249	0	0	2	0	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2248	0	1	1	1	0	2	1	2	2	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2241	2	0	0	2	0	0	1	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2240	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu2243	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2242	0	1	2	0	1	1	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steriodobacter
Otu2245	8	1	0	2	1	6	3	3	7	9	4	3	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2244	4	0	0	0	0	1	0	0	0	1	1	1	Bacteria; Chlamydiae; Chlamydiia
Otu2247	4	2	3	0	1	0	1	1	0	0	0	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2246	0	4	0	0	1	0	0	0	0	2	1	1	Bacteria
Otu1506	278	86	167	302	125	151	232	202	236	353	305	227	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu3170	5	1	2	3	1	0	2	1	3	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3358	0	0	0	2	0	1	3	1	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu1031	10	2	3	5	2	0	3	3	1	0	2	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1030	4	0	7	9	10	4	2	0	0	10	6	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu72	179	63	30	63	29	28	58	43	62	65	51	35	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu73	121	58	119	105	45	88	169	129	195	172	74	144	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Ralstonia
Otu70	40	23	126	52	27	91	91	70	58	24	168	70	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Frankiaceae
Otu71	98	118	103	95	37	31	454	71	45	218	35	462	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu76	156	77	73	158	41	64	203	87	134	194	115	127	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu77	93	13	47	126	27	67	118	149	99	77	81	111	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter; Candidatus_Koribacter_versatilis
Otu74	149	142	152	318	134	132	156	134	150	160	216	154	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu75	356	76	95	134	61	61	126	92	111	77	94	74	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1525	1	3	5	2	1	3	4	1	5	2	5	1	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1524	6	1	1	1	1	2	1	2	0	2	2	1	Bacteria; FBP
Otu78	154	57	36	67	61	24	71	26	38	52	84	43	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu79	166	64	45	67	48	53	36	21	9	85	96	20	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1521	5	2	4	6	2	0	2	4	3	4	7	3	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1520	2	2	1	0	1	2	2	6	6	5	4	5	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu1523	6	3	1	2	3	1	1	3	1	1	3	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu1522	3	2	2	0	4	0	0	0	2	0	6	0	Bacteria
Otu2256	0	2	2	3	1	2	3	1	1	1	3	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae
Otu2257	1	0	1	1	0	0	1	0	0	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3218	2	3	0	2	6	1	0	0	3	1	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1561	32	18	17	13	17	19	26	25	3	23	28	12	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu1039	2	0	0	1	0	0	0	0	2	11	0	2	Bacteria
Otu1560	0	0	2	7	0	0	2	0	3	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Coxiella
Otu2159	11	9	6	3	3	13	1	3	7	3	8	5	Bacteria; WS3; PRR-12; Sediment-1
Otu1038	8	3	2	4	1	3	12	5	6	7	6	12	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1563	7	2	2	5	0	1	11	3	2	3	4	9	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu2158	1	0	1	5	0	3	3	1	3	1	4	1	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu2937	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu952	0	1	1	4	3	7	5	7	2	8	0	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2935	50	22	5	44	22	38	39	49	103	51	21	50	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1562	0	2	3	0	0	0	6	1	3	0	5	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu2933	57	109	20	31	19	6	70	10	0	1	3	85	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu2932	1	0	2	1	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeaceae
Otu2931	2	0	0	0	1	0	0	0	0	0	0	0	Bacteria; TM6; SJA-4
Otu953	18	17	17	16	5	7	12	2	3	6	15	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1565	0	0	0	0	0	0	0	0	0	4	0	0	Bacteria; Proteobacteria
Otu950	0	13	1	4	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu2939	2	1	3	0	2	0	0	0	1	0	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1564	5	7	3	2	0	0	3	1	0	1	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu951	1	2	1	0	1	10	1	5	10	0	0	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu2448	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1567	3	2	0	5	3	4	3	0	1	6	5	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu956	14	8	4	15	5	8	5	8	12	11	5	13	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1566	0	2	0	0	2	0	0	1	0	0	6	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2157	3	0	0	1	0	0	0	0	0	1	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu957	4	0	2	1	3	5	10	3	2	5	4	4	Bacteria; TM7; SC3
Otu1239	10	4	7	12	6	8	14	3	11	14	12	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1238	9	5	1	4	1	0	1	1	0	3	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2156	2	2	0	1	2	1	6	0	1	0	0	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae
Otu770	0	1	7	11	2	0	4	1	6	1	9	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1231	5	7	0	20	7	3	2	5	7	5	12	11	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1230	3	1	3	9	1	4	5	9	5	7	7	4	Bacteria; Armatimonadetes; Armatimonadia; FW68

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1233	6	5	2	0	1	0	3	1	5	2	6	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu771	0	6	12	5	0	1	1	0	0	0	2	2	Bacteria; Gemmatimonadetes; Gemm-1
Otu1235	5	7	4	3	3	2	9	1	3	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu1234	0	8	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Oceanospirillales
Otu1237	4	0	0	11	0	1	3	1	6	2	5	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1236	6	1	5	4	5	1	0	0	2	4	4	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu893	6	4	3	8	0	3	14	0	2	20	0	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niabella
Otu2258	0	0	0	1	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu892	3	2	4	3	12	2	0	1	1	2	13	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu2259	2	1	3	2	1	0	1	2	3	0	1	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu891	8	0	0	5	2	0	0	1	0	0	3	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu890	1	6	1	1	1	2	1	3	2	8	0	5	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu897	0	2	3	2	0	1	0	0	0	0	9	2	Bacteria; Cyanobacteria; Chloroplast
Otu896	1	0	0	0	1	8	2	3	0	7	2	3	Bacteria; TM7; SC3
Otu3448	1	0	0	0	1	0	1	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu671	6	2	3	4	2	2	12	15	18	3	4	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu3444	20	12	16	50	9	6	52	51	11	155	10	48	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae; Chryseobacterium
Otu3445	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebophilaceae; SC3-56
Otu3446	2	0	1	1	1	0	0	0	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu894	43	13	13	16	11	10	3	3	2	7	15	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3440	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu3441	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; OD1; SM2F11

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3442	0	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu3443	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; SM2F11
Otu1305	8	2	4	3	4	1	0	1	6	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1304	9	9	3	2	0	1	3	3	1	4	6	3	Bacteria; Armatimonadetes; 0319-6E2
Otu1307	3	3	7	21	7	3	11	3	19	9	20	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1301	5	2	0	4	2	0	1	1	2	1	1	1	Bacteria; Armatimonadetes; 0319-6E2
Otu1300	2	0	4	1	6	3	2	2	3	1	3	1	Bacteria
Otu1303	8	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1302	11	1	4	7	2	2	14	2	2	2	3	3	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu1309	0	1	1	2	2	7	2	4	2	2	2	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1308	16	5	8	23	4	19	38	29	27	12	28	18	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2649	1	0	1	0	1	2	2	2	0	0	2	0	Bacteria; Firmicutes; Erysipelotrichi; Erysipelotrichales; Erysipelotrichaceae
Otu2648	0	0	0	0	0	1	0	1	1	2	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2645	0	0	2	0	0	0	0	0	0	1	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2644	0	2	0	1	1	1	1	0	0	0	2	0	Bacteria; Actinobacteria; Actinobacteria; Micrococcales
Otu2647	1	4	0	2	4	0	1	2	3	0	1	0	Bacteria; Bacteroidetes
Otu2646	2	0	0	2	1	0	1	1	0	2	1	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2641	2	0	2	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu2640	5	1	0	1	1	1	1	1	1	1	1	2	Bacteria; Chloroflexi; Ellin6529
Otu2643	0	0	0	2	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2642	0	0	1	0	0	1	2	0	0	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Candidatus_Glomeribacter
Otu3300	0	0	1	2	1	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3416	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1011	8	4	4	7	0	3	10	4	1	12	1	7	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Erythrobacteraceae
Otu1010	5	4	1	6	0	0	6	5	1	2	8	8	Bacteria; TM7; SC3
Otu1013	12	5	0	1	0	0	0	0	0	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1012	5	20	10	17	3	0	5	0	4	5	3	5	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu1015	4	8	1	0	1	0	0	0	0	5	7	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1014	8	2	4	4	0	3	3	7	3	5	1	12	Bacteria; Acidobacteria; EC1113
Otu1017	1	1	2	5	1	4	16	5	4	5	1	4	Bacteria; TM7; SC3
Otu1016	0	0	0	0	7	0	1	0	0	0	5	0	Bacteria; Acidobacteria; Chloracidobacteria
Otu570	3	6	12	4	1	11	0	2	3	6	4	17	Bacteria; Spirochaetes; Spirochaetes; Spirochaetales; Spirochaetaceae; Spirochaeta; Spirochaeta_aurantia
Otu571	5	10	18	17	11	10	4	1	6	19	17	3	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu572	66	31	62	42	21	21	58	24	19	54	32	23	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niastella
Otu573	20	5	10	11	11	10	18	4	10	11	26	5	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu574	23	19	16	22	11	4	17	1	5	5	11	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu575	4	1	0	17	2	0	0	1	0	1	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu576	4	4	1	4	3	0	19	3	4	5	1	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu577	16	1	4	4	14	5	1	0	0	8	2	3	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu750	30	19	16	13	15	14	14	1	16	16	29	16	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Hyphomicrobium
Otu751	5	0	0	5	1	10	5	2	14	13	4	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu752	0	2	0	1	0	1	3	0	2	9	3	11	Bacteria
Otu753	28	14	10	14	17	10	14	6	7	13	12	9	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Thermomonas
Otu754	0	0	0	0	0	10	0	14	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu755	7	6	1	10	2	0	1	3	1	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu756	6	2	3	9	5	4	3	3	4	5	13	3	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales
Otu209	46	2	31	60	12	109	31	80	56	49	23	23	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu758	18	4	1	9	2	7	13	10	13	8	13	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu759	4	1	1	17	0	1	3	7	6	0	3	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu976	2	3	4	0	3	9	12	0	4	8	7	4	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu977	8	7	4	8	2	0	3	0	2	2	11	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu970	16	1	3	8	3	3	2	1	2	1	8	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu971	8	4	9	12	8	4	13	8	10	10	7	3	Bacteria
Otu972	0	0	0	5	1	2	3	4	4	4	2	10	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu201	13	20	54	46	33	44	52	40	35	27	74	13	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu3062	5	1	0	3	1	0	1	0	0	1	0	0	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu3063	1	0	0	0	0	0	0	1	1	0	0	2	Bacteria; OD1; ZB2
Otu3060	0	3	0	0	0	1	1	0	0	1	0	1	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu3061	1	0	1	2	0	0	1	0	0	2	5	2	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3066	0	1	0	0	2	0	0	0	1	0	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu3067	0	0	0	0	0	2	0	0	0	1	0	0	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu3064	2	1	0	1	1	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu3065	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu3068	0	0	0	0	1	2	0	2	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3069	0	0	0	1	1	1	0	0	0	2	1	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu682	2	3	0	9	0	3	3	3	8	12	5	5	Bacteria; Chlorobi

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu683	7	10	5	18	4	11	18	11	7	11	16	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu680	1	0	0	0	0	4	13	0	1	9	2	12	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu681	9	6	6	14	5	5	6	3	3	5	6	2	Bacteria; Chloroflexi; Anaerolineae; A31
Otu686	0	4	0	3	6	0	0	0	0	0	18	0	Bacteria; OD1; ABY1
Otu687	0	0	0	2	0	0	14	0	0	0	0	0	Bacteria; Bacteroidetes; VC2_1_Bac22
Otu684	32	18	24	29	14	24	31	21	16	32	19	29	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu685	6	4	5	20	7	4	3	8	11	6	9	5	Bacteria; OD1; SM2F11
Otu2793	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2792	0	0	5	0	1	0	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu688	17	2	8	6	3	2	4	5	7	4	3	3	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu689	8	6	5	14	6	28	3	1	12	10	17	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu2797	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2796	4	0	0	0	0	1	1	1	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2795	0	0	0	0	1	0	2	1	0	1	1	0	Bacteria; Actinobacteria
Otu2794	0	1	1	2	0	1	2	1	0	0	1	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardia; Nocardia
Otu372	2	6	2	13	22	1	3	1	1	6	32	6	Bacteria; Proteobacteria; Gammaproteobacteria
Otu373	42	31	64	78	11	26	101	69	56	35	41	65	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu370	38	12	8	13	9	16	17	9	13	8	14	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu371	46	29	20	37	23	21	36	16	32	32	28	23	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu376	114	86	62	105	32	31	83	102	116	93	78	57	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu377	35	9	30	66	28	25	42	32	39	41	64	34	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu374	25	21	14	56	17	28	66	55	58	47	35	34	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu375	46	38	6	13	18	1	12	4	4	9	12	3	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu378	0	2	9	14	8	27	5	19	22	10	8	5	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu379	7	1	8	31	9	2	6	0	5	8	18	3	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2425	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu2424	0	0	0	0	0	0	2	3	1	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2427	2	0	1	0	0	0	1	0	1	4	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2426	2	0	4	1	5	0	3	1	2	1	5	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2421	3	3	0	0	1	0	0	0	0	0	3	0	Bacteria; Acidobacteria; Solibacteres; Solibacteriales; Solibacteraceae; Candidatus_Solibacter
Otu2420	7	2	3	2	4	0	2	1	1	1	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2423	2	2	2	0	2	0	2	0	1	1	1	0	Bacteria
Otu2422	0	1	2	0	0	0	1	0	0	0	1	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae; Chlamydomonas; Chlamydomonas_applanata
Otu2429	0	1	0	3	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2428	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2056	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu703	18	3	5	5	1	6	4	3	0	4	5	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3148	0	0	2	0	3	0	0	0	0	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu702	21	11	2	13	14	4	2	3	8	13	25	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu701	4	3	22	6	4	12	15	1	7	2	8	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardia
Otu700	17	4	4	10	2	11	27	18	15	15	9	14	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu198	75	28	36	58	39	55	52	82	77	70	49	52	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu199	36	38	71	109	30	42	61	71	93	67	53	58	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu196	22	8	43	33	32	97	9	3	13	24	30	6	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu707	2	5	13	10	11	10	5	8	10	2	14	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu194	0	0	6	3	2	0	1	0	3	0	0	88	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu195	140	43	38	54	39	21	37	18	22	24	72	8	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu192	70	31	19	34	27	4	7	2	10	17	39	7	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu193	49	16	17	58	30	28	43	88	51	72	36	56	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu190	89	39	23	16	26	3	36	6	6	30	28	1	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu191	58	53	29	34	45	4	32	4	14	34	47	11	Bacteria; Acidobacteria; S035
Otu705	11	4	4	19	5	13	14	6	13	13	16	19	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu704	12	5	9	22	9	13	20	17	18	6	4	4	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu3273	0	0	0	0	0	1	2	0	0	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebophilaceae; Candidatus_Amoebophilus
Otu3272	0	1	1	2	2	0	1	0	1	1	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga
Otu3271	1	1	0	0	0	0	0	0	2	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Syntrophomonadaceae; Syntrophomonas
Otu3270	0	2	0	1	0	1	0	0	2	0	2	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu3277	0	3	0	1	1	1	2	1	0	1	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3276	0	5	1	1	0	2	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1839	1	0	1	3	0	0	1	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1838	4	2	0	4	0	1	2	0	2	0	0	1	Bacteria
Otu1837	0	2	5	3	0	2	6	2	5	2	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1836	3	0	0	0	0	0	0	0	0	0	3	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu1835	5	3	1	6	3	0	8	1	0	3	10	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1834	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1833	0	1	0	1	0	1	0	2	0	1	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1832	3	1	1	0	1	2	5	4	3	2	3	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu1831	0	2	1	0	3	0	0	1	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1830	5	1	3	2	2	0	3	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu996	11	5	0	1	2	3	1	0	0	4	7	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu997	0	0	1	3	0	0	2	1	4	2	10	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu994	15	5	5	1	1	1	0	2	1	1	6	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu995	0	7	6	4	0	3	2	1	2	1	0	1	Bacteria
Otu992	7	3	7	4	6	7	5	3	4	4	9	3	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu993	13	15	6	2	2	1	13	2	5	5	6	1	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu990	10	2	8	8	3	4	6	1	5	5	11	8	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu991	12	7	6	18	9	10	17	22	13	7	13	6	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2339	0	0	1	2	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2338	2	1	0	3	0	0	0	1	2	0	1	0	Bacteria; OD1; ZB2
Otu998	6	8	2	5	7	3	13	6	2	7	10	2	Bacteria; Gemmatimonadetes; Gemm-1
Otu999	0	5	1	11	1	3	2	4	5	9	4	4	Bacteria; OP3; PBS-25
Otu1789	3	2	1	0	1	0	0	0	1	0	2	0	Bacteria
Otu1788	5	2	2	1	2	1	2	1	1	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Hyphomicrobium
Otu2254	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2255	0	0	0	2	0	1	0	0	1	0	0	0	Bacteria; Proteobacteria
Otu2252	0	0	1	2	0	2	5	2	1	1	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2253	0	0	0	0	0	0	0	2	0	0	1	0	Bacteria; Cyanobacteria; Chloroplast
Otu2250	4	0	0	0	0	1	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2251	2	0	0	0	1	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu1781	12	4	1	6	4	5	10	9	2	3	3	4	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu1780	0	1	1	0	0	0	0	1	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1783	1	0	1	0	0	0	0	0	0	0	3	0	Bacteria; Chloroflexi; C0119
Otu1782	1	2	2	1	0	0	0	2	3	0	4	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1785	0	0	1	1	0	0	0	2	3	3	0	1	Bacteria; TM6; SJA-4
Otu1784	0	0	0	0	0	0	0	3	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1787	5	3	3	3	1	1	1	1	3	3	3	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1786	3	0	0	2	1	1	0	0	0	0	2	1	Bacteria
Otu3309	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3308	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria
Otu3307	3	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3306	0	0	0	1	0	2	0	0	0	0	1	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3305	0	1	0	3	1	0	1	0	0	1	0	0	Bacteria
Otu3304	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu3303	0	0	0	0	1	1	1	0	0	3	1	1	Bacteria
Otu3302	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu3301	6	1	3	9	1	4	9	6	10	1	5	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu2481	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes
Otu3364	0	0	0	0	0	0	0	3	0	1	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1657	1	4	0	3	0	2	0	1	2	5	0	1	Bacteria; Proteobacteria
Otu1656	3	1	2	6	0	0	2	0	0	1	1	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1655	7	0	1	0	1	0	1	1	0	1	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilimelia
Otu1654	9	0	4	1	1	0	6	2	0	0	2	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1653	12	4	1	0	0	1	1	0	3	1	3	0	Bacteria; Chloroflexi; P2-11E
Otu1652	15	1	3	18	2	16	9	16	4	25	4	16	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu1651	0	0	0	5	0	0	0	0	0	0	2	0	Bacteria; Cyanobacteria; Nostocophycideae; Nostocales; Nostocaceae
Otu1650	6	3	1	0	2	4	0	0	0	3	8	0	Bacteria; Chloroflexi; Anaerolineae
Otu1659	2	2	6	4	2	3	0	0	2	2	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1658	3	2	1	3	1	1	5	3	2	3	8	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu2021	0	0	1	0	0	0	0	0	1	0	4	0	Bacteria; Chloroflexi; C0119
Otu2020	3	0	1	0	0	1	2	0	1	3	2	1	Bacteria; Firmicutes; Bacilli; Bacillales; Thermoactinomycetaceae; Planifilum
Otu3140	0	0	0	0	0	3	0	1	1	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2023	1	0	3	4	3	3	0	0	3	3	4	1	Bacteria; Spirochaetes; Spirochaetes; Spirochaetales; Spirochaetaceae
Otu2022	0	4	0	0	0	0	0	0	0	0	2	0	Bacteria; TM7; SC3
Otu2025	1	1	0	2	1	0	2	4	2	2	0	2	Bacteria; TM6; SJA-4; S1198
Otu2024	3	3	0	1	1	1	1	0	0	1	3	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3105	2	1	0	0	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SJA-15
Otu1538	0	1	2	0	1	0	0	0	0	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu1539	2	3	1	7	5	4	2	0	0	1	10	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2027	3	1	0	3	0	1	1	0	0	0	1	0	Bacteria; Bacteroidetes
Otu49	67	61	182	128	43	79	296	132	121	58	95	87	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae
Otu48	130	100	85	153	84	61	263	150	201	263	237	101	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu47	113	150	137	137	149	71	105	51	66	160	202	89	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu46	17	12	76	231	11	19	32	39	41	17	10	45	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu45	4	4	2	10	0	144	4	133	207	1	33	124	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Escherichia; Escherichia_coli
Otu44	284	49	59	198	47	75	111	165	111	154	112	136	Bacteria; Acidobacteria; iii1-8; DS-18
Otu43	157	66	78	132	52	123	162	190	230	154	101	137	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu42	78	136	244	226	94	213	452	171	228	271	397	166	Bacteria; Firmicutes; Bacilli; Bacillales; Planococcaceae; Sporosarcina
Otu41	29	13	47	17	40	18	236	8	4	16	16	14	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Rhizobium
Otu40	1032	402	305	720	230	386	725	650	822	539	477	564	Bacteria; Proteobacteria; Betaproteobacteria; Ellin6067
Otu2924	0	0	0	0	0	0	2	1	0	0	0	0	Bacteria; TM6; SJA-4
Otu2925	10	2	0	2	4	0	3	0	0	1	3	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2926	1	0	1	0	1	3	4	1	0	0	1	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2736	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2920	2	0	0	0	0	0	0	0	0	1	0	0	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu2921	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu2922	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; SM2F11
Otu2923	2	1	0	0	0	0	0	1	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3367	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; WS2; SHA-109
Otu2928	1	0	0	0	0	2	0	0	2	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2929	11	3	4	6	3	5	14	5	4	9	5	9	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu1226	0	0	0	1	0	1	0	1	0	7	0	0	Bacteria; TM6; SJA-4
Otu1227	11	9	4	6	3	5	6	7	9	5	8	1	Bacteria; Armatimonadetes; 0319-6E2
Otu1224	0	0	1	6	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaeae
Otu1225	3	1	0	0	2	0	0	0	0	0	6	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1222	6	0	0	0	0	1	0	0	1	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1223	10	2	1	4	3	2	5	0	1	6	8	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu1220	7	2	3	6	0	10	1	4	2	5	0	5	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1221	0	0	0	0	1	3	2	7	0	1	4	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae; Rickettsia
Otu1228	2	0	0	15	9	2	0	0	0	0	7	1	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu1229	0	1	2	1	1	10	11	6	6	7	9	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3145	0	0	0	2	0	1	2	1	3	0	0	0	Bacteria; Proteobacteria
Otu3144	1	2	0	1	0	0	0	0	0	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3479	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3478	1	0	4	0	0	0	0	1	3	0	0	1	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu3471	0	0	4	1	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3470	3	1	2	1	1	1	0	1	0	1	1	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3473	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu3472	0	1	0	0	0	0	0	0	0	3	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3475	0	1	0	0	0	0	2	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3474	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3477	0	0	0	0	0	1	0	0	0	2	0	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu3476	2	0	1	0	0	0	0	1	0	1	0	1	Bacteria; Chloroflexi; Ktedonobacteria; TK10
Otu1312	0	0	0	1	0	12	0	6	7	0	0	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu1313	19	4	25	26	10	12	29	6	15	10	37	7	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu1310	2	4	8	1	3	7	11	3	2	5	16	3	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu1311	1	0	0	4	1	0	5	4	1	5	1	0	Bacteria; Chloroflexi; TK10; B07_WMSP1; FFC4570

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1316	0	2	2	0	6	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1317	0	2	1	0	0	0	3	7	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1314	0	0	0	0	0	0	7	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Devosia
Otu1315	3	4	6	10	1	7	14	3	2	4	9	3	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1318	4	1	1	2	0	1	8	4	3	7	1	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1319	1	0	6	2	1	2	3	0	3	2	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2659	15	15	2	5	5	12	3	7	10	24	3	21	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2652	0	1	0	3	0	0	2	2	0	2	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2653	2	1	0	0	2	0	0	0	0	0	1	0	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu2650	3	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2651	1	2	2	2	1	2	2	0	2	1	2	3	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2656	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2657	1	1	1	0	0	0	0	0	0	1	2	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2654	6	2	10	7	3	4	9	1	5	2	4	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2655	0	0	0	0	0	2	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu567	18	2	5	5	2	2	0	2	1	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu566	31	13	11	15	18	2	12	8	12	12	19	6	Bacteria; Chloroflexi; Anaerolineae; SHA-20
Otu565	7	18	3	8	23	3	5	4	4	0	18	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu564	17	6	7	12	1	17	9	3	8	5	2	8	Bacteria; Planctomycetes; OMI190; CL500-15
Otu563	16	8	9	5	10	7	3	0	1	6	13	3	Bacteria; WS3; PRR-12; Sediment-1
Otu562	25	1	4	2	2	1	0	0	0	0	3	0	Bacteria; Actinobacteria; Thermoleophilia
Otu561	21	4	5	3	1	3	3	2	0	3	2	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu560	3	1	8	24	10	0	7	1	1	0	6	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu569	20	10	12	16	13	27	7	3	3	14	8	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu568	14	16	23	12	12	10	22	11	16	8	32	13	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu3480	4	5	6	7	0	3	12	12	4	5	3	11	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu1008	0	0	1	1	0	9	0	3	7	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1009	2	2	0	11	3	2	0	1	7	1	3	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1006	3	0	0	7	0	0	7	0	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1007	7	18	12	1	6	1	15	1	2	4	12	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1004	14	1	0	2	3	2	6	5	1	2	4	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1005	7	6	1	1	8	2	2	1	3	0	5	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1002	16	2	11	8	3	6	14	7	9	4	9	2	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu1003	8	1	2	2	2	1	4	1	1	2	2	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Ellin506
Otu1000	11	7	1	6	11	1	3	1	0	3	2	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu1001	0	0	0	0	0	0	0	0	8	0	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu969	0	6	6	8	3	7	4	6	9	2	7	8	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; Shewanellaceae; Shewanella; Shewanella_algae
Otu968	3	2	4	10	4	6	4	5	3	1	5	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu219	1	0	1	2	0	0	2	0	0	58	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu218	50	17	19	64	23	16	49	11	26	26	41	21	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu749	15	3	8	15	5	10	6	5	13	4	16	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu748	5	12	20	4	3	0	0	0	0	1	2	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu747	18	5	1	13	1	0	3	1	1	0	0	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu962	1	0	12	10	3	3	2	0	7	11	3	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu745	32	27	11	20	15	22	50	9	16	12	12	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaceae; Amycolatopsis
Otu744	13	4	4	10	6	11	23	6	11	5	18	12	Bacteria; Actinobacteria; Thermoleophila; Gaiellales
Otu967	14	10	7	18	0	5	11	3	5	8	14	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu966	11	8	4	1	4	0	4	3	1	3	7	0	Bacteria; Proteobacteria; Betaproteobacteria; A21b; UD5
Otu965	9	4	0	2	2	0	8	2	0	2	2	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu964	0	1	0	1	1	1	0	7	2	0	0	1	Bacteria; Proteobacteria
Otu1532	1	0	4	9	2	1	0	0	0	1	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3486	0	0	0	0	0	1	0	0	2	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3099	0	2	0	0	0	2	0	0	1	2	1	2	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu1533	4	1	15	10	1	11	11	10	2	14	7	6	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu3097	2	0	1	0	1	1	1	1	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu3096	0	0	0	0	0	0	4	0	0	0	2	0	Bacteria; Proteobacteria
Otu3095	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1180	1	2	2	7	5	6	0	0	7	1	1	0	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Zoogloea
Otu2055	0	2	0	0	2	4	0	0	1	6	7	4	Bacteria; Cyanobacteria; Synechococcophycidae; Pseudanabaenales
Otu1530	0	0	2	3	0	0	4	1	4	1	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3091	2	0	1	3	0	0	2	0	0	0	0	0	Bacteria; Verrucomicrobia; Methylacidiphilae; Methylacidiphilales
Otu3090	4	0	1	0	0	1	1	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu691	3	0	0	0	1	0	2	1	1	12	0	15	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu690	24	18	14	13	7	22	19	13	21	17	7	14	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu693	2	5	7	14	9	2	4	4	9	10	28	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu692	2	0	1	3	0	0	0	2	1	13	1	6	Bacteria; Proteobacteria; Gammaproteobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu695	1	3	12	12	2	7	10	7	8	6	26	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium; Clostridium_butyricum
Otu694	13	2	8	4	1	11	12	12	10	11	8	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu697	15	8	6	13	8	10	8	9	12	14	9	9	Bacteria; Acidobacteria
Otu696	13	6	6	2	8	0	5	0	4	2	14	1	Bacteria; Chloroflexi; C0119
Otu699	17	3	2	0	1	2	0	1	4	16	5	18	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu698	2	4	3	36	6	6	24	22	9	9	46	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2782	2	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2783	8	2	3	0	0	0	1	1	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2784	1	1	1	1	2	2	1	1	0	4	3	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae
Otu2785	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2786	2	3	0	3	3	3	0	0	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; 211ds20
Otu1537	1	2	0	3	2	2	2	3	5	7	15	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylobacteriaceae
Otu361	0	6	0	0	0	5	0	2	2	28	0	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu360	31	5	9	27	4	31	19	24	20	5	14	19	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu363	51	4	30	56	15	36	38	14	30	44	35	11	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu362	15	14	26	13	11	6	36	12	9	17	10	25	Bacteria; Proteobacteria; Betaproteobacteria
Otu365	102	61	26	27	38	7	23	5	9	48	41	21	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu364	47	32	25	86	15	16	48	47	35	42	54	48	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu367	51	14	17	32	18	10	47	15	21	39	25	13	Bacteria; Gemmatimonadetes; Gemm-3
Otu366	69	18	18	13	22	6	7	6	11	49	25	13	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae
Otu369	49	21	33	35	21	25	59	47	31	67	48	38	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae
Otu368	37	10	8	44	10	11	22	18	24	18	21	11	Bacteria; Proteobacteria; Betaproteobacteria; A21b; UD5

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1535	3	6	5	1	3	12	1	6	4	6	3	5	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1344	0	0	3	1	0	3	4	1	2	2	0	8	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2432	0	0	0	0	0	0	2	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2433	0	0	1	0	0	0	3	0	0	0	0	0	Bacteria; Chloroflexi
Otu2430	0	4	0	3	0	4	0	0	1	3	1	1	Bacteria
Otu2431	3	0	0	2	0	0	0	0	0	0	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2436	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; A1-B1
Otu2437	17	7	18	7	0	11	11	2	9	3	9	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2434	1	0	0	1	1	3	1	2	1	1	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2435	0	0	1	1	0	2	1	1	2	0	2	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu2438	1	3	1	0	0	1	0	0	0	0	1	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu2439	2	3	0	1	4	1	1	1	1	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu3351	2	2	2	5	0	1	0	0	0	0	3	1	Bacteria; Planctomycetes; OM190; agg27
Otu189	137	70	71	40	44	13	9	1	5	54	65	10	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu188	9	2	9	2	3	5	35	2	3	85	6	18	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu185	122	18	19	14	5	8	26	9	6	10	4	9	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu184	112	29	33	44	32	33	51	21	31	26	52	12	Bacteria; Proteobacteria; Betaproteobacteria
Otu187	33	15	29	54	17	26	86	56	69	50	53	31	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu186	127	75	56	55	85	32	39	35	31	34	112	16	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu181	69	35	27	12	32	8	11	5	12	18	47	12	Bacteria; Acidobacteria; iii1-8; 32-20
Otu180	96	38	42	64	29	28	87	32	49	80	60	25	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu183	49	9	36	59	25	27	48	44	35	59	61	68	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu182	86	40	17	27	21	5	19	12	16	29	50	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3260	2	1	1	0	0	0	0	2	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3261	1	0	1	1	0	0	0	1	0	1	4	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu3262	0	2	0	1	0	1	1	1	1	1	1	0	Bacteria; Bacteroidetes
Otu3263	46	15	7	6	13	2	6	2	2	6	20	4	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1828	2	0	0	0	0	0	0	0	0	0	2	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1829	3	4	2	3	1	0	2	0	2	1	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3266	1	2	0	0	0	0	0	0	0	2	1	0	Bacteria
Otu3267	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu1824	0	0	1	3	0	0	3	1	1	0	1	0	Bacteria; Chloroflexi; Chloroflexi; AKIW781
Otu1825	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu1826	1	1	3	4	2	1	1	0	1	7	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1827	0	3	2	5	1	4	5	0	3	1	3	1	Bacteria
Otu1820	0	0	0	2	2	0	3	1	1	1	5	2	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu1821	0	0	0	0	2	0	0	0	0	0	5	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu1822	0	1	1	0	0	0	1	0	0	0	6	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1823	0	0	1	1	0	2	6	2	2	0	1	2	Bacteria; OD1; SM2F11
Otu985	13	10	10	33	11	11	17	12	14	21	20	14	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu984	2	1	0	5	1	2	0	4	15	2	3	4	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu987	16	8	2	2	5	6	6	2	6	7	3	6	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu986	7	4	2	2	2	1	6	2	2	0	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu981	8	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu980	13	2	3	5	4	0	5	1	3	1	5	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu983	5	11	6	9	10	7	1	2	7	4	6	6	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu982	4	3	3	4	6	1	0	3	1	6	10	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2326	1	0	1	0	2	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu2327	5	0	1	2	1	0	4	1	1	1	2	2	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2324	207	105	179	175	112	70	189	80	130	203	154	137	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu339	71	20	26	34	18	24	25	16	23	20	32	16	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu989	4	2	7	15	3	5	0	1	2	15	2	4	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu988	0	0	3	6	3	0	0	0	11	2	1	5	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu2320	3	3	2	3	7	4	3	0	3	2	4	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2321	0	1	0	0	0	0	3	1	3	1	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu336	43	7	8	10	5	8	6	5	3	3	14	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1755	3	0	2	1	1	0	1	1	0	0	4	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu337	2	0	2	0	0	1	43	0	0	17	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingopyxis; Sphingopyxis_alaskensis
Otu1796	2	1	0	7	1	7	8	6	8	7	3	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1797	4	2	1	1	4	2	1	1	0	2	3	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu1794	1	2	3	2	2	2	1	0	9	3	5	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu1795	4	0	0	0	0	2	2	3	5	3	2	3	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1792	0	5	0	2	0	4	1	1	0	2	2	3	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1793	0	1	1	6	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1790	0	4	3	1	1	1	4	1	2	2	6	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu1791	0	0	2	1	0	1	1	0	1	0	5	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3190	0	3	4	1	1	2	2	1	1	1	3	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1798	0	0	0	0	0	1	0	1	1	4	1	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1799	13	4	10	24	9	3	14	5	8	14	20	1	Bacteria; Chloroflexi; TK10; AKYG885; Dolo_23
Otu2223	6	7	1	1	1	1	1	4	0	2	3	2	Bacteria; Gemmatimonadetes; Gemm-1
Otu2222	1	1	0	1	2	0	1	4	1	3	7	2	Bacteria; Proteobacteria
Otu2221	0	0	0	3	0	1	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu2220	3	1	0	2	0	0	0	2	0	1	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; heteroC45_4W
Otu2227	60	6	14	6	3	5	52	7	8	3	6	15	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2226	9	2	1	5	0	1	7	2	3	3	4	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2225	0	3	2	0	1	2	0	4	5	1	2	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu2224	29	37	8	13	6	3	35	10	2	19	10	3	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu3196	0	0	0	0	0	1	0	1	1	0	0	3	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu2229	0	0	2	0	0	0	4	2	1	2	0	0	Bacteria; TM6; SJA-4
Otu2228	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3197	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3318	2	0	0	0	1	1	0	0	0	1	0	0	Bacteria
Otu3194	0	0	0	1	0	0	0	0	0	2	0	0	Bacteria; OD1; ZB2
Otu3314	0	0	0	1	0	0	0	2	0	0	0	0	Bacteria; FBP
Otu3315	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3316	2	0	2	1	1	0	1	0	0	1	1	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu3195	0	1	0	0	0	0	0	0	0	3	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3310	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Acanthamoeba; Acanthamoeba_castellanii

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3311	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria
Otu3312	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu3313	2	1	1	2	1	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3179	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu3360	0	0	0	2	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j
Otu2927	0	0	0	1	0	0	1	2	1	1	1	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3217	0	0	0	0	0	2	0	0	0	1	0	0	Bacteria
Otu3216	5	0	2	0	1	0	0	0	0	0	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; AKIW659
Otu1644	4	3	5	1	0	2	1	0	1	4	4	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1645	2	3	3	6	2	0	0	1	1	1	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1646	4	0	2	2	0	0	1	0	0	1	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1647	0	0	0	2	0	0	5	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1640	0	0	0	0	0	1	0	4	0	0	0	1	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu1641	5	0	1	0	0	0	0	1	0	0	3	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu1642	8	4	2	3	5	14	1	3	10	12	8	8	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu1643	15	6	4	7	19	13	4	5	9	20	11	14	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu2137	1	2	1	5	6	2	2	0	5	1	7	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2136	0	1	0	1	2	0	3	1	0	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2135	3	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2134	2	2	0	4	3	2	3	1	2	4	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1648	0	1	5	5	2	1	2	1	2	4	9	0	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu1649	8	3	1	2	1	2	2	2	0	2	2	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2131	3	1	0	0	0	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2130	0	0	1	0	1	0	0	0	0	0	3	0	Bacteria; Chloroflexi; Thermomicrobia
Otu58	193	30	26	28	22	9	16	10	14	42	41	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu59	29	29	54	81	36	171	70	79	109	54	38	53	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu50	111	57	210	197	56	62	152	40	162	88	86	52	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Chthoniobacter
Otu51	265	55	76	76	71	17	68	30	53	41	118	19	Bacteria; Acidobacteria; Solibacteres; Solibacteriales
Otu52	49	96	127	149	100	75	225	56	88	118	180	35	Bacteria; Proteobacteria; Betaproteobacteria; Nitrosomonadales; Nitrosomonadaceae
Otu53	60	18	207	144	40	52	221	52	38	56	128	68	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaaceae; Rhodococcus
Otu54	0	0	0	3	5	1	38	2	11	332	0	4	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu55	251	129	204	161	74	83	330	92	100	117	88	224	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Janthinobacterium
Otu56	101	80	67	162	91	43	141	106	107	133	164	124	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu57	761	326	372	656	266	386	617	436	523	562	604	477	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu3174	4	0	1	6	1	0	1	3	3	0	2	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2116	28	8	1	3	4	1	2	3	3	6	6	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu240	7	2	2	4	1	4	12	60	14	8	3	14	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2911	2	1	2	4	2	3	1	0	1	1	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2910	0	1	0	1	1	0	0	0	0	0	0	4	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu2913	2	0	0	0	1	0	0	1	0	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2912	0	1	0	0	0	0	3	0	0	0	0	2	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu2915	0	0	3	1	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10
Otu2914	2	0	3	2	0	1	3	2	0	1	3	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaaceae; Actinomycetospora
Otu2917	5	3	9	8	3	1	2	4	2	1	6	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2916	3	0	0	0	1	0	0	0	1	1	4	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2919	23	12	10	14	13	5	11	6	12	11	20	9	Bacteria; Proteobacteria; Betaproteobacteria
Otu2918	0	0	0	2	2	0	2	0	0	1	2	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1253	2	0	1	1	1	0	1	0	0	6	0	1	Bacteria
Otu1252	4	0	0	0	0	0	0	2	0	10	0	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu1251	8	2	2	3	1	0	1	1	0	0	2	0	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu1250	2	0	12	10	4	11	8	6	6	9	14	6	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu1257	0	1	4	1	0	0	1	0	6	6	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1256	3	1	1	5	0	0	2	2	3	3	0	4	Bacteria
Otu1255	2	0	0	0	0	3	0	0	0	5	4	2	Bacteria; Cyanobacteria; Synechococcophycidae; Pseudanabaenales
Otu1254	17	12	1	14	2	0	6	0	0	0	15	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu3146	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1259	0	3	0	5	1	2	0	1	2	2	1	1	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu1258	5	3	3	12	6	2	6	4	8	7	9	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1495	3	4	2	4	2	0	3	3	1	8	7	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu1494	1	2	0	2	1	4	1	2	1	2	2	2	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1497	1	0	3	2	3	5	1	0	1	2	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1496	6	5	3	0	4	1	0	0	0	6	4	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1491	4	7	4	4	1	2	10	10	8	5	10	3	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1490	0	0	0	3	0	1	0	0	0	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1493	2	0	0	3	0	0	1	0	3	1	5	1	Bacteria; Proteobacteria
Otu1492	0	2	0	0	0	0	0	0	1	0	6	0	Bacteria; OD1; SM2F11

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1499	0	2	2	0	0	0	6	0	0	0	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu349	4	2	2	51	2	8	3	0	9	2	71	0	Bacteria; Cyanobacteria; Nostocophycidae; Nostocales; Nostocaceae
Otu348	36	6	10	33	9	17	39	32	38	38	20	40	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu439	35	8	14	21	8	12	12	15	16	19	14	10	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu438	23	12	8	4	4	0	8	0	2	6	19	1	Bacteria; Chloroflexi; TK10
Otu3466	0	0	0	1	0	0	1	0	0	0	5	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu3467	0	1	1	0	0	0	2	0	1	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu3464	1	0	2	2	0	0	2	0	1	1	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3465	14	10	4	6	4	1	0	3	1	16	6	6	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3462	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10
Otu3463	0	1	1	0	0	0	2	0	1	0	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3460	2	1	0	0	0	1	0	0	0	1	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu3461	6	3	4	4	9	2	4	2	5	5	7	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3468	2	1	2	0	0	0	1	0	0	0	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3469	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu343	14	7	5	8	5	6	51	7	15	11	4	35	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Uliginosibacterium
Otu342	30	7	10	39	8	22	33	31	30	29	29	20	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu341	46	16	8	3	12	3	9	8	6	12	28	5	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu340	18	17	8	14	6	9	20	16	25	34	21	12	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3147	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu347	18	10	20	41	15	15	12	14	28	13	15	11	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu346	0	1	0	0	1	7	1	3	4	28	0	33	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Rickettsiella

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu345	3	22	17	57	5	8	6	3	13	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu344	0	2	1	3	32	1	1	1	7	4	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu512	2	1	1	7	4	11	4	15	1	0	0	23	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_rhizosphaerae
Otu513	31	15	16	25	14	17	29	11	19	28	18	25	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu510	34	15	17	29	16	11	11	4	3	16	27	8	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu511	58	24	9	18	12	6	9	2	6	7	24	10	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu516	3	1	0	8	4	5	1	5	20	14	8	19	Bacteria; Planctomycetes; vadinHA49; DH61
Otu517	103	58	51	45	24	45	57	35	52	59	57	48	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu514	10	9	7	15	22	12	7	1	5	4	10	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu515	5	2	6	25	1	1	17	3	8	10	0	8	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niabella
Otu518	9	4	6	17	6	10	1	1	5	9	13	2	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu519	16	20	7	17	10	10	28	5	7	4	32	5	Bacteria; Actinobacteria; Thermoleophilii; Gaiellales; Gaiellaceae
Otu1079	0	0	10	3	8	10	9	2	10	6	21	2	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu1078	6	1	2	1	0	4	7	1	3	3	3	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Hyphomicrobium
Otu1073	0	1	0	0	8	4	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu1072	13	17	19	6	6	8	5	25	13	11	12	10	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu1071	6	20	4	4	5	5	6	2	22	11	2	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1070	8	1	3	7	6	2	5	1	3	1	6	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu1077	2	3	3	1	4	0	0	0	1	4	7	7	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1076	5	0	2	2	1	2	5	6	3	0	3	9	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu1075	0	0	0	7	0	0	0	4	5	2	6	1	Bacteria
Otu1074	0	1	9	1	1	1	1	0	0	1	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacteriales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2515	0	0	0	0	0	3	0	3	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae; Erwinia
Otu2514	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1107	8	3	1	2	0	0	2	0	1	2	5	1	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu1106	0	5	4	6	3	3	3	2	3	2	6	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu1105	6	1	6	4	3	2	3	0	2	1	7	4	Bacteria; Chloroflexi; Anaerolineae; A31
Otu1104	6	9	4	2	7	0	0	0	0	6	8	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu358	10	4	11	15	6	10	37	22	15	14	14	15	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu359	5	12	14	19	15	11	11	8	23	15	30	4	Bacteria; Chloroflexi; C0119
Otu428	18	18	22	20	9	25	56	15	53	11	29	14	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu429	46	29	31	82	28	32	46	28	60	54	49	58	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu354	17	10	25	15	9	13	49	15	24	8	24	18	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu355	29	12	33	31	20	17	30	21	12	25	73	26	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Sporichthyaceae
Otu356	14	8	17	12	3	8	15	5	10	11	42	9	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu357	44	23	19	28	19	8	4	2	0	13	38	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu350	62	1	13	13	4	15	18	4	7	1	23	5	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dyella
Otu351	13	9	15	31	11	11	27	26	33	25	19	11	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1109	3	3	2	3	4	2	3	2	1	2	6	5	Bacteria; Proteobacteria; Gammaproteobacteria
Otu353	0	4	5	26	1	1	4	1	10	0	5	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu646	8	5	6	12	2	7	25	14	11	3	9	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu647	23	8	7	13	12	13	6	4	12	8	10	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu644	0	0	7	14	4	3	11	7	2	1	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu645	10	11	6	16	15	9	18	16	16	32	16	19	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu642	42	10	13	13	12	5	19	10	6	25	22	8	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu643	13	1	1	1	0	0	0	0	0	0	1	1	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu640	39	10	21	10	6	5	25	3	17	11	7	11	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu641	9	5	9	19	3	3	15	19	15	10	13	17	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu648	19	9	16	5	7	2	11	0	4	3	14	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu649	18	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Gemmatimonadaceae; Gemmatimonas
Otu2681	0	1	2	0	2	0	1	0	0	0	3	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideaceae
Otu2680	3	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu2683	0	1	1	2	0	3	1	2	3	3	0	1	Bacteria; Bacteroidetes; At12OctB3
Otu2682	0	1	1	0	1	0	0	1	0	2	3	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptostreptococcaceae
Otu2685	3	0	1	5	6	1	0	0	2	1	6	7	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu2684	0	3	2	0	3	3	0	0	1	0	2	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2687	1	0	2	0	0	0	0	0	1	0	1	1	Bacteria; Acidobacteria; TM1
Otu2686	3	0	0	0	0	0	0	2	1	0	1	0	Bacteria
Otu2689	4	1	1	4	1	6	1	4	2	4	2	0	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu2519	0	0	0	1	0	1	4	0	1	1	1	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2518	2	0	0	0	0	0	3	0	1	2	0	0	Bacteria; TM7; SC3
Otu1232	13	12	11	6	6	11	10	7	8	6	14	5	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1819	1	0	1	3	0	3	4	5	6	3	2	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1818	10	8	1	0	1	1	0	0	1	1	1	0	Bacteria; Acidobacteria; iii1-8; DS-18
Otu3259	1	2	0	0	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; TK17; mle1-48
Otu3258	3	2	1	2	3	5	5	4	2	5	7	6	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3287	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1811	9	0	3	3	4	2	2	1	1	2	2	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1810	2	1	0	1	4	1	0	0	0	0	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu1812	0	1	0	2	0	1	1	2	0	0	3	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1815	24	11	12	18	4	10	10	6	5	11	17	5	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1814	0	0	1	2	1	0	0	1	3	1	0	2	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1816	0	0	0	1	1	1	0	0	0	3	3	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadales
Otu2359	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2358	50	7	6	16	9	5	8	3	12	8	20	6	Bacteria; Acidobacteria; iii1-8; DS-18
Otu2353	1	0	2	4	1	2	6	5	2	5	6	3	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2352	1	0	0	0	0	0	1	2	0	1	0	4	Bacteria; Firmicutes; Bacilli; Bacillales
Otu2351	0	0	0	0	1	0	0	1	1	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Rhodobacteraceae; Paracoccus
Otu2350	1	2	2	2	0	0	1	0	0	1	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2357	0	0	0	0	0	0	0	0	0	0	2	1	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu2356	1	0	0	0	1	0	1	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu2355	2	0	1	0	0	0	1	0	1	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2354	0	1	0	0	0	0	1	0	3	0	0	0	Bacteria
Otu3281	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria
Otu2891	1	1	0	2	0	0	1	0	0	1	0	1	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales; Phycisphaeraeae
Otu3025	111	50	51	58	63	14	24	19	14	60	97	18	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2693	2	0	0	1	1	2	0	1	1	1	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2230	2	0	1	2	1	0	3	0	1	0	1	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2231	4	0	4	0	3	0	0	0	1	1	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu2232	0	0	0	1	1	0	0	1	0	0	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2233	3	1	2	1	0	3	0	0	1	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Acanthamoeba; Acanthamoeba_polyphaga
Otu2234	4	1	2	2	0	1	2	1	3	0	3	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; AKIW659
Otu2235	1	0	1	1	0	2	1	2	1	0	3	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu2236	4	3	2	2	1	0	4	0	1	1	1	0	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu2237	5	0	0	3	0	0	0	1	0	1	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2238	2	2	0	4	1	0	3	2	4	0	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2239	0	1	1	3	0	0	0	2	4	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3329	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu3328	0	3	3	0	1	0	1	0	0	0	2	1	Bacteria; Chloroflexi; Anaerolineae
Otu3321	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Magnetospirillum
Otu3320	1	1	0	2	2	1	0	1	0	0	2	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3323	0	0	0	0	0	0	2	0	1	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga
Otu3322	0	0	0	3	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3325	0	0	0	0	1	1	1	2	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu3324	0	3	0	1	0	0	0	0	0	2	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3327	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; Rickettsiaceae
Otu3326	2	1	3	0	0	2	1	3	0	2	0	2	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu1671	2	0	5	3	1	1	2	0	0	0	2	0	Bacteria; Chloroflexi; Chloroflexi; Chloroflexales
Otu1670	14	4	3	4	6	0	3	3	1	5	19	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu1673	0	6	3	0	2	2	0	0	0	1	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1672	2	0	0	4	0	1	4	0	1	2	5	1	Bacteria; Chloroflexi; TK17; mle1-48
Otu1675	1	0	2	1	0	2	7	3	3	3	2	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1674	2	1	3	3	0	9	2	3	1	3	0	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu1677	0	0	1	1	0	2	1	0	1	5	1	2	Bacteria; Verrucomicrobia
Otu1676	9	1	4	7	3	2	8	4	2	2	5	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1679	4	0	1	0	0	0	1	2	1	1	0	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1678	2	0	0	4	0	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Entomoplasmatales
Otu2126	0	1	5	15	6	6	6	2	11	11	17	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2127	1	0	0	1	0	0	0	3	1	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2120	0	0	0	0	0	0	0	1	3	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2121	0	0	0	4	0	0	1	3	0	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2122	62	22	41	51	47	7	31	14	22	71	74	15	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu2123	1	0	0	1	1	0	3	2	0	0	3	3	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1803	4	2	0	0	1	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1634	1	4	1	7	3	0	0	0	1	0	1	1	Bacteria; Acidobacteria; Holophagae; Holophagales; Holophagaceae
Otu1186	20	2	3	3	2	2	9	2	3	6	8	1	Bacteria; Chlorobi
Otu3168	2	1	0	0	0	0	0	0	1	0	2	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2908	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; C111
Otu2909	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2906	0	0	0	1	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2907	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Methylacidiphilae; Methylacidiphilales
Otu2904	0	1	1	0	0	1	0	2	0	3	1	1	Bacteria; Acidobacteria; Acidobacteria-5

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2905	2	0	0	1	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2902	2	3	2	0	5	1	1	4	1	4	3	4	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2903	0	0	2	0	0	0	0	0	0	3	0	0	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu2900	1	2	1	3	0	0	2	1	1	1	2	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2901	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; TM7; TM7-1
Otu1240	4	1	2	3	0	0	7	4	0	2	1	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu1241	0	1	2	5	0	1	3	3	5	1	2	1	Bacteria; TM6; SJA-4
Otu1242	0	1	7	3	4	2	6	2	2	2	7	1	Bacteria; Proteobacteria
Otu1243	9	1	1	3	2	3	1	0	0	3	3	1	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu1244	20	35	34	7	22	4	1	0	4	9	24	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1245	0	3	2	2	0	4	9	0	1	6	2	1	Bacteria; Firmicutes; Bacilli; Bacillales
Otu1246	0	5	1	0	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1247	2	1	3	4	1	0	4	5	6	0	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1248	0	2	1	0	3	0	2	1	1	0	6	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptostreptococcaceae; Tepidibacter
Otu1249	1	0	2	3	1	5	6	7	3	2	5	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1809	3	0	2	3	1	2	1	4	3	4	1	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1482	2	2	2	2	1	2	5	1	2	3	2	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1483	1	1	0	4	1	0	0	0	0	0	3	0	Bacteria; Proteobacteria
Otu1480	1	5	2	0	2	3	3	5	5	3	3	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Sporichthyaceae; Sporichthya
Otu1481	1	0	1	3	1	2	9	6	4	2	4	3	Bacteria
Otu1486	0	0	4	3	0	14	1	11	4	2	3	0	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu1487	7	3	8	12	4	19	7	21	21	8	5	3	Bacteria; Elusimicrobia; Elusimicrobia; FAC88

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1484	2	1	2	0	0	0	1	1	0	1	4	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1485	150	41	56	70	37	95	81	73	124	71	63	66	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1488	7	1	2	17	4	0	6	2	2	9	3	4	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1489	2	7	4	1	1	0	0	0	0	0	2	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu3121	0	3	1	1	0	0	0	0	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3120	0	0	2	0	0	1	2	2	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2006	0	3	2	0	0	0	0	0	0	4	1	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3127	0	0	0	0	0	0	2	1	2	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3126	0	0	0	0	0	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu3413	0	0	1	1	0	2	2	0	0	0	4	0	Bacteria
Otu3412	0	0	0	0	0	0	0	0	0	1	2	0	Bacteria
Otu3411	0	0	0	1	0	0	1	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3410	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3417	0	0	1	0	0	0	2	0	0	0	0	1	Bacteria; Proteobacteria
Otu3125	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu3415	0	0	0	0	0	0	1	1	0	2	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3414	2	0	1	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2003	2	1	1	4	2	0	5	1	2	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu3419	1	0	2	3	2	1	1	2	3	0	1	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3124	1	1	0	0	4	1	1	0	0	0	3	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2711	2	1	1	1	3	0	0	1	1	0	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2002	0	4	4	1	2	1	1	0	0	2	0	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2710	0	0	1	0	0	0	1	0	0	3	0	3	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2000	3	0	0	1	0	0	0	1	0	0	6	0	Bacteria; Chloroflexi; Anaerolineae; SJA-15
Otu3354	0	2	2	1	1	0	0	0	1	0	1	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu2008	10	5	8	7	5	2	7	1	1	6	2	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2619	3	2	2	0	2	3	3	0	1	0	3	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu83	286	83	86	114	45	89	118	86	99	82	68	122	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu82	196	77	82	94	79	29	132	56	62	102	107	135	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu81	131	28	26	39	10	8	23	5	9	12	15	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu80	52	26	14	16	7	5	6	69	4	6	32	142	Bacteria; Bacteroidetes; Flavobacteria; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu87	22	11	14	65	17	33	34	28	25	175	54	25	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu86	165	31	83	125	51	175	111	125	102	261	129	130	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu85	97	37	78	134	43	75	125	137	141	106	144	113	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae
Otu84	1	0	124	20	0	25	0	5	3	2	2	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu89	81	70	58	146	52	108	126	109	136	126	71	142	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu88	95	46	65	125	36	24	126	114	102	142	125	107	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu2719	0	0	1	0	1	3	1	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nakamurellaceae
Otu975	18	2	6	2	2	3	2	4	3	1	4	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu595	0	0	4	6	1	1	6	3	3	17	2	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu501	0	0	0	8	18	2	2	3	18	5	4	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu500	8	1	3	36	8	4	4	2	2	11	25	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu503	22	21	18	2	18	1	5	0	4	6	13	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu502	8	0	4	19	0	7	20	6	17	4	15	7	Bacteria; Acidobacteria; Sva0725; Sva0725

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu504	5	9	8	6	3	5	17	8	22	7	7	10	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu507	23	4	16	16	4	13	29	29	24	19	11	15	Bacteria; Acidobacteria; DA052; Ellin6513
Otu506	4	4	6	12	4	43	25	7	19	22	16	26	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu509	0	17	11	20	18	9	15	17	14	15	22	12	Bacteria; Proteobacteria; Gammaproteobacteria; Oceanospirillales; Halomonadaceae; Halomonas
Otu508	1	1	8	9	1	21	2	6	17	4	10	1	Bacteria; Chloroflexi; Ktedonobacteria
Otu1068	1	0	5	0	0	3	5	7	1	2	0	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1069	2	0	0	8	0	0	0	1	0	0	7	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1060	5	2	8	7	4	0	3	4	2	3	3	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1061	0	1	2	5	5	3	3	1	1	7	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1062	0	1	9	1	2	2	0	0	5	0	0	0	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1063	9	1	3	6	1	1	3	3	2	1	7	3	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Phenylobacterium
Otu1064	1	4	1	4	1	8	0	0	4	1	3	0	Bacteria; WS3; PRR-12; Sediment-1
Otu1065	2	0	2	1	4	1	2	0	5	1	7	1	Bacteria
Otu1066	0	8	2	0	0	1	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu1067	7	0	0	2	0	2	1	2	1	4	2	2	Bacteria; OD1; ABY1
Otu729	13	2	9	17	6	5	14	3	10	10	18	8	Bacteria; Chloroflexi; TK10; B07_WMSP1; FFCH4570
Otu728	1	5	3	14	6	7	0	1	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Luteolibacter
Otu721	28	12	17	13	8	12	21	13	11	12	26	14	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu720	4	0	4	10	2	13	11	13	10	5	2	10	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu723	11	2	5	3	1	10	12	3	22	17	11	9	Bacteria; Acidobacteria; Solibacteres; Solibacteriales
Otu722	3	2	1	2	1	1	9	14	5	1	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu725	31	62	7	14	8	3	12	1	1	8	12	8	Bacteria; Acidobacteria; Chloracidobacteria; RB41

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu724	26	13	23	26	8	14	15	6	14	9	24	7	Bacteria; Chloroflexi; Ellin6529
Otu727	7	7	9	13	2	11	12	3	6	4	4	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu726	8	3	3	4	6	11	4	4	2	17	13	6	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1114	1	0	0	7	6	3	3	2	0	0	7	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu1115	0	0	2	7	4	4	3	5	4	8	4	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1116	1	7	0	0	1	0	1	3	0	0	0	3	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1117	3	1	2	5	1	2	8	0	0	10	8	5	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu1110	2	0	1	2	0	9	1	0	2	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1111	2	5	2	13	3	2	3	6	12	8	5	6	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu1112	11	5	5	9	6	5	10	6	2	5	11	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1113	17	3	3	1	2	3	12	2	2	2	5	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu435	36	36	17	15	10	18	32	28	31	21	16	18	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu434	3	6	2	22	3	5	14	6	25	14	6	12	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu437	30	18	11	9	7	2	4	2	2	6	19	7	Bacteria; Proteobacteria; Betaproteobacteria; A21b; EB1003
Otu436	46	34	11	17	21	5	12	15	9	12	19	8	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu431	5	2	5	10	5	19	8	10	6	16	9	13	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu430	34	8	16	17	11	34	21	27	17	31	25	24	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu433	0	21	0	0	2	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu432	26	7	5	11	1	4	11	13	4	3	4	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu655	0	1	0	12	1	2	0	1	1	1	1	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae; Oophila; Oophila_amblystomatis
Otu654	4	0	6	14	1	6	5	3	1	5	24	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Ellin506
Otu657	19	13	4	2	1	4	1	0	0	16	11	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu656	13	2	0	0	0	2	1	0	0	0	1	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu651	5	0	0	8	0	3	3	10	14	8	2	10	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu650	2	20	1	2	0	1	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu653	9	2	1	7	1	0	15	0	1	1	5	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu652	14	5	8	11	13	1	8	3	3	4	20	1	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu659	13	13	13	27	9	13	4	16	12	11	7	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu658	5	3	4	5	13	0	6	2	3	23	6	19	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu448	41	11	8	4	21	2	4	0	1	4	16	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu449	5	7	9	13	3	3	13	2	8	7	23	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1510	8	2	4	1	1	5	6	1	2	1	5	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu2698	0	2	2	0	3	0	2	1	2	2	2	2	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1511	7	2	1	5	3	2	1	0	4	3	1	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2696	0	0	0	0	0	0	0	0	4	0	2	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2697	0	0	0	0	0	2	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2694	2	0	0	1	0	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; HTCC2188; HTCC2089
Otu2695	0	0	1	3	2	0	0	0	4	0	3	0	Bacteria; Proteobacteria
Otu2692	2	0	0	1	0	0	0	0	0	0	1	0	Bacteria
Otu1512	0	0	1	6	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2690	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2691	1	3	4	2	3	1	2	0	4	3	1	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu237	72	35	80	109	10	11	69	10	10	22	14	70	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Cupriavidus
Otu236	37	20	30	8	20	16	59	7	8	26	39	47	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Pythium; Pythium_ultimum

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu235	26	1	6	28	2	17	18	61	72	9	5	30	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu234	56	6	10	9	6	9	7	5	2	20	28	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu233	32	30	45	54	39	19	54	29	59	47	41	44	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu232	165	29	43	52	30	21	41	25	25	42	65	20	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu231	1	3	25	68	8	12	15	8	64	21	12	28	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu230	87	33	43	37	49	14	51	9	16	49	70	8	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu1514	5	5	0	3	2	2	1	1	1	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu239	18	63	47	51	68	22	36	35	41	19	88	7	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu238	54	13	36	42	30	20	49	3	19	21	56	16	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu1806	0	0	0	3	0	3	1	1	2	1	1	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1807	3	0	0	4	2	4	0	1	3	2	6	1	Bacteria; AD3; ABS-6
Otu1804	1	0	0	0	0	0	1	0	1	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1805	0	0	4	2	0	0	2	1	2	3	2	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae
Otu1802	0	6	0	0	0	0	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; H39
Otu1516	15	9	1	21	1	2	2	1	1	4	5	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu1800	1	0	1	1	0	4	0	0	1	2	3	0	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu1801	0	0	0	3	0	2	0	0	2	3	0	2	Bacteria
Otu440	36	14	9	5	10	2	3	3	5	2	17	2	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu1638	1	1	2	0	0	1	2	0	0	0	6	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1517	15	9	8	5	7	5	7	11	4	9	10	5	Bacteria; Bacteroidetes
Otu1808	1	8	1	5	0	0	10	3	8	7	1	5	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu441	18	9	17	37	9	17	20	11	26	26	13	17	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1518	8	0	2	3	5	0	0	0	0	0	5	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3248	23	6	3	7	2	9	10	4	11	12	9	5	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu3249	0	0	3	2	1	0	1	0	1	0	0	0	Bacteria; Chloroflexi
Otu3242	0	0	0	1	1	0	2	1	4	2	1	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3243	5	1	0	0	3	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3240	1	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu3241	2	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3246	1	1	0	3	0	0	2	0	2	0	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3247	0	0	0	0	0	2	0	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3244	0	0	0	0	0	3	1	2	1	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeaceae
Otu3245	2	0	2	0	1	0	0	0	2	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu2349	2	0	0	0	0	1	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2340	1	1	1	2	2	0	0	0	0	0	0	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; JG37-AG-70
Otu2341	2	0	0	0	0	0	0	0	1	2	1	0	Bacteria; Proteobacteria
Otu2342	4	3	2	5	2	5	9	8	7	2	9	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2343	0	0	1	1	1	1	0	0	0	1	4	1	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu2344	0	0	0	2	0	0	3	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2345	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu2346	0	0	0	0	0	0	0	2	3	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; Elusimicrobiales
Otu2347	0	0	0	0	0	0	2	0	1	0	2	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadales
Otu3336	0	0	0	1	2	1	0	1	1	0	0	0	Bacteria; Acidobacteria; Holophagae; Holophagales; Holophagaceae
Otu3192	0	0	1	1	0	0	3	0	0	0	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3334	1	1	0	0	0	0	0	0	2	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3335	3	0	0	1	0	2	1	0	1	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu2209	0	3	2	1	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10
Otu2208	0	0	0	1	1	0	1	1	0	4	5	5	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3330	1	0	1	1	0	0	0	0	0	3	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3331	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Erythrobacteraceae
Otu2205	0	0	0	0	1	3	1	1	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2204	64	39	18	45	18	52	40	42	44	34	35	29	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2207	0	0	0	0	0	0	0	0	0	3	0	1	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2206	0	1	1	5	1	3	3	5	2	2	2	4	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2201	0	0	2	0	0	0	0	0	0	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2200	4	1	1	2	0	5	8	5	5	4	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2203	0	0	0	1	1	4	2	0	0	2	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2202	2	3	2	2	1	0	4	2	0	1	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3337	2	0	0	1	2	0	1	3	0	2	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3193	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; OM190; CL500-15
Otu3332	0	0	2	0	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1558	0	1	3	1	2	10	3	5	9	1	2	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu3333	1	8	2	1	0	0	0	0	0	0	3	0	Bacteria; Planctomycetes; OM190; CL500-15
Otu1452	8	0	1	5	3	4	6	3	2	2	10	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu9	328	263	649	294	394	422	1710	225	170	186	156	876	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Hylemonella
Otu6	92	208	248	194	680	352	1144	176	39	42	104	491	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu7	681	375	354	680	444	395	496	880	430	598	598	231	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu4	3	8	2	13	0	9	1408	8	3	6	1	24	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu5	29	2	171	55	25	31	80	206	20	1205	8	574	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Sphingobacterium; Sphingobacterium_multivorum
Otu2	7	32	18	79	3	34	66	61	0	687	3	1305	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae; Chryseobacterium
Otu3	1677	403	525	803	326	254	1194	561	672	892	712	565	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu1	212	317	1183	382	1640	1550	2089	749	375	280	150	879	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu2119	0	2	0	1	0	0	0	4	1	1	2	1	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu2118	0	0	0	0	0	0	0	0	4	0	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu1559	5	2	1	2	0	8	5	3	0	5	3	1	Bacteria; Chloroflexi
Otu1668	41	4	3	7	3	4	4	2	5	5	9	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1669	4	2	2	0	1	1	0	2	2	2	3	1	Bacteria; Gemmatimonadetes; Gemm-1
Otu1666	2	5	0	2	0	0	0	0	0	1	3	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu1667	0	0	0	2	1	0	1	0	1	2	5	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1664	2	0	2	1	1	3	2	1	4	0	4	2	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Candidatus_Glomeribacter; Candidatus_Glomeribacter_vicinasporum
Otu1665	0	0	2	3	0	6	6	0	2	2	4	1	Bacteria; Actinobacteria; Actinobacteriales; Actinomycetales
Otu1662	0	0	0	1	1	0	0	0	0	0	5	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1663	1	1	5	6	2	0	1	0	1	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu1660	0	0	0	4	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1661	2	0	1	2	4	0	2	1	0	3	5	0	Bacteria; Actinobacteria; Rubrobacteria; Rubrobacteriales; Rubrobacteraceae; Rubrobacter
Otu963	7	1	0	1	1	0	1	0	0	0	1	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3338	13	11	7	11	6	8	31	23	14	34	8	11	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu746	10	1	1	5	1	0	2	7	5	1	2	1	Bacteria; WPS-2

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3339	4	3	4	4	3	2	4	2	9	7	3	8	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae
Otu961	4	0	4	11	0	20	6	41	29	12	5	19	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu960	4	9	3	11	5	3	7	2	6	9	5	3	Bacteria; Chloroflexi; S085
Otu743	4	4	7	5	3	3	9	5	14	11	7	3	Bacteria; Acidobacteria; Chloracidobacteria
Otu742	0	3	1	1	1	0	0	0	0	0	13	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu741	24	20	17	18	19	24	24	12	11	10	35	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilimelia
Otu740	14	5	8	14	7	4	8	7	4	8	12	0	Bacteria; Acidobacteria; Chloracidobacteria
Otu2979	0	0	0	5	1	0	2	1	1	3	0	2	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2978	4	1	1	0	1	0	1	4	3	1	1	0	Bacteria; Gemmatimonadetes; Gemm-5
Otu2973	1	2	0	1	1	1	0	0	1	0	3	0	Bacteria; Proteobacteria; TA18; CV90
Otu2972	0	0	0	1	0	0	0	0	0	2	1	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Caloramator
Otu2971	5	2	2	3	2	4	3	1	2	4	4	2	Bacteria; Gemmatimonadetes; Gemm-2
Otu2970	0	4	1	2	1	3	6	1	6	1	5	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaceae; Pseudonocardia
Otu2977	3	0	0	0	0	0	0	0	1	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2976	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2975	2	2	0	0	1	0	0	0	0	0	1	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu2974	0	0	0	0	0	0	0	0	0	2	0	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2822	0	1	1	3	3	1	6	9	10	2	4	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1279	21	11	15	11	14	3	16	3	6	6	17	5	Bacteria; Gemmatimonadetes; Gemm-1
Otu1278	6	3	4	7	1	2	1	1	6	1	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1275	6	3	4	9	1	1	2	3	2	3	4	2	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1274	25	18	18	21	17	13	31	23	32	24	26	21	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1277	1	1	0	0	2	0	4	0	1	5	0	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1276	3	1	1	2	0	8	2	1	4	1	2	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1271	0	0	0	0	0	0	0	0	6	0	0	0	Bacteria
Otu1270	0	2	2	2	0	1	1	0	0	1	5	0	Bacteria; Bacteroidetes; VC2_1_Bac22
Otu1273	5	1	1	4	0	11	18	16	9	3	3	16	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1272	5	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3094	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes
Otu1479	5	4	11	9	6	3	12	8	9	10	16	4	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu1478	1	0	0	4	1	4	2	0	1	1	3	1	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae
Otu1477	7	8	2	2	6	0	4	0	1	0	7	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu1476	0	0	0	0	0	0	2	0	0	4	2	0	Bacteria; Fibrobacteres
Otu1475	1	0	4	5	0	0	3	2	4	1	2	3	Bacteria; Chlamydiae; Chlamydiai; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu1474	10	3	0	5	2	3	5	7	4	1	6	0	Bacteria; Chloroflexi
Otu1473	6	3	4	3	1	6	4	5	4	2	3	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu1472	5	1	4	3	0	1	1	1	0	0	2	0	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu1471	3	5	3	3	7	5	3	0	4	2	5	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1470	0	1	0	9	0	0	0	1	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3422	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Chlorobi; OPB56
Otu3423	2	1	1	0	2	0	0	0	0	1	2	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2620	0	2	0	4	1	0	2	0	1	2	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2807	0	2	2	0	1	2	0	3	1	0	2	0	Bacteria; Chloroflexi; C0119
Otu2788	0	0	0	0	0	0	1	0	0	3	1	0	Bacteria; Chloroflexi

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2805	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu2804	2	1	1	4	1	0	7	0	2	1	6	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2803	3	0	0	0	0	1	2	0	1	0	2	1	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolineaceae; Anaerolinea
Otu2802	0	0	0	2	0	1	0	0	1	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2801	2	3	1	0	1	0	0	0	0	1	0	0	Bacteria; Proteobacteria
Otu2789	0	2	2	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu3408	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu3409	0	0	0	0	1	0	0	0	0	2	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2809	1	3	2	1	1	0	0	0	0	0	0	0	Bacteria
Otu2808	1	0	0	1	0	0	1	1	1	1	2	0	Bacteria; Chloroflexi; Thermomicrobia; Ellin6537
Otu3019	2	0	1	1	1	2	1	1	2	4	0	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeae
Otu2780	3	0	2	0	0	0	1	0	0	0	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu1588	9	7	10	11	8	5	3	3	4	8	10	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu98	151	85	87	160	107	70	89	62	68	188	131	85	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu99	139	13	28	61	3	36	57	45	58	54	30	41	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu2781	4	4	5	4	1	3	9	1	3	4	7	2	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus
Otu94	143	177	123	80	71	48	41	30	43	40	117	45	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu95	167	97	96	128	74	60	165	83	104	122	115	87	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Phenylobacterium
Otu96	24	7	27	10	30	16	127	6	8	47	5	15	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu97	21	16	48	78	9	26	58	126	34	44	10	40	Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales; Enterobacteriaceae
Otu90	234	58	79	171	44	70	207	194	190	128	128	147	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu91	302	75	41	73	25	63	78	80	65	58	54	96	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu92	137	0	1	2	0	0	1	0	0	2	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu93	14	9	82	124	12	24	54	70	135	67	92	13	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu3484	2	0	0	1	0	2	2	1	4	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1551	0	1	0	0	0	1	1	0	1	0	5	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2787	2	0	0	0	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1055	0	0	1	8	2	1	1	2	4	0	2	1	Bacteria
Otu1054	16	22	6	9	9	4	6	2	4	3	11	4	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu1057	10	3	10	19	7	23	15	15	14	36	11	21	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1056	7	2	1	0	0	0	0	0	2	1	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu1051	5	2	6	8	8	0	5	1	3	3	7	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1050	11	1	2	0	0	0	0	0	0	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu1053	0	1	0	2	1	0	0	0	0	1	0	9	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobaillales
Otu1052	0	0	8	2	0	0	0	0	0	0	0	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu534	18	1	2	0	3	1	0	0	0	0	1	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; C111
Otu535	21	3	5	13	2	4	6	7	7	3	2	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu536	11	7	7	11	9	17	20	6	11	4	21	5	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacteriales; Patulibacteraceae
Otu537	15	5	6	13	5	7	24	19	21	17	14	16	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1059	6	0	1	7	1	0	0	0	0	6	0	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Emticicia
Otu1058	0	0	5	7	2	8	3	1	2	1	5	9	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu532	8	1	9	21	8	3	27	13	8	12	15	10	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacteriales; Patulibacteraceae
Otu533	21	3	1	4	2	1	12	1	2	7	9	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1297	1	5	0	9	4	1	2	6	3	8	10	6	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Ferruginibacter; Ferruginibacter_lapsinans

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1296	3	2	2	6	0	2	8	7	3	4	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu1295	10	0	8	9	3	8	6	6	6	4	12	8	Bacteria; Acidobacteria; Chloracidobacteria
Otu1294	0	2	0	5	1	1	0	6	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1293	1	2	3	0	2	8	1	8	5	1	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1292	20	4	67	25	8	13	11	2	24	24	10	30	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu1291	6	0	7	5	4	2	6	9	5	4	5	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1290	17	5	5	37	10	10	18	21	28	59	22	22	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1299	9	0	1	5	2	6	5	3	2	3	2	3	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1298	0	0	1	2	0	1	0	0	6	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Sva0853; JTB36
Otu2599	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae; Streptomyces
Otu2598	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2595	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Brucellaceae
Otu2594	1	0	0	0	2	0	0	0	0	2	0	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2597	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Euglenozoa
Otu2596	3	0	0	0	0	0	2	1	3	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae
Otu2591	6	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2590	1	0	5	2	2	3	6	2	3	0	7	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae
Otu2593	45	24	13	40	13	21	39	27	34	29	22	24	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2592	1	0	0	2	0	0	2	0	1	2	2	0	Bacteria
Otu3482	0	1	1	1	1	3	2	0	0	1	1	0	Bacteria
Otu2759	0	3	2	0	2	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2758	2	0	0	1	0	0	0	0	0	0	1	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium; Clostridium_bowmanii

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2757	2	0	1	2	0	3	4	0	2	1	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Geodermatophilaceae
Otu2756	0	3	1	2	1	1	3	0	0	0	3	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2755	0	3	0	0	0	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae; Syntrophobacter
Otu2754	0	0	0	1	1	1	0	0	0	1	3	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu2753	2	0	0	0	1	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2752	1	2	2	2	1	1	1	0	0	0	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Azospirillum
Otu2751	2	1	0	2	0	2	3	1	1	0	0	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2750	4	2	1	2	2	0	1	3	0	1	0	0	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales
Otu2050	0	0	1	1	0	0	2	0	4	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Planococcaceae; Ureibacillus
Otu2051	0	0	4	1	3	5	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2052	2	3	4	5	4	0	2	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu3483	0	0	0	2	2	1	2	0	1	2	2	2	Bacteria; OD1; SM2F11
Otu408	35	20	42	47	32	24	58	16	24	17	62	16	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Solirubrobacteraceae
Otu409	36	14	21	56	23	14	37	15	30	50	55	19	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Sediminibacterium
Otu1123	12	2	5	1	0	6	5	4	1	0	5	5	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae; Streptomyces
Otu1122	6	2	2	4	0	0	7	2	1	1	6	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1125	10	1	2	7	2	7	8	5	3	4	6	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1124	0	3	15	1	2	1	3	0	0	0	7	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1127	6	1	4	3	2	2	7	0	3	2	8	0	Bacteria
Otu1126	4	2	1	2	1	1	2	0	2	8	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1129	0	2	0	2	0	0	1	0	0	0	7	0	Bacteria; Cyanobacteria; Nostocophycideae; Nostocales; Nostocaceae
Otu1128	10	1	3	5	3	3	7	7	9	5	10	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu402	14	11	28	27	13	14	27	20	29	22	41	11	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu403	51	19	21	24	22	11	34	11	13	21	25	13	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu404	11	7	9	28	8	12	16	13	18	18	18	16	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu405	55	28	29	38	25	13	13	4	4	49	43	12	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu406	8	1	3	25	6	2	12	18	25	1	14	2	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu407	0	0	9	32	1	20	1	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae
Otu660	0	1	17	3	2	13	9	3	1	0	5	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptosporangiaceae; Streptosporangium
Otu661	7	0	0	21	5	3	0	2	5	24	4	22	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Nevskia; Nevskia_ramosa
Otu662	91	30	18	36	30	27	20	15	12	31	28	17	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu663	2	3	14	11	0	9	6	5	13	4	4	5	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu664	8	3	4	9	2	9	3	1	7	13	7	8	Bacteria
Otu665	12	5	8	12	2	3	8	10	0	8	5	5	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu666	17	4	7	5	2	3	11	3	6	12	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu667	0	0	0	18	0	15	0	3	1	1	3	1	Bacteria; Chloroflexi; Ktedonobacteria
Otu884	4	3	12	1	1	1	0	1	10	3	5	3	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu885	0	1	1	10	3	2	9	2	0	2	5	1	Bacteria
Otu886	6	5	3	9	11	18	1	0	4	3	10	6	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu887	0	0	0	3	0	0	1	0	1	14	2	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu880	11	2	3	1	3	0	2	4	8	3	5	3	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu881	6	0	7	15	3	6	9	3	10	5	11	3	Bacteria; Gemmatimonadetes; Gemm-5
Otu882	7	6	19	19	9	13	25	11	5	5	28	10	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Intrasporangiaceae; Oryzihumus; Oryzihumus_leptocrescens
Otu883	16	3	3	1	3	14	2	2	2	42	11	19	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu390	1	0	1	1	2	4	4	2	0	31	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu391	17	14	11	17	6	8	10	10	15	12	25	10	Bacteria; Gemmatimonadetes; Gemm-5
Otu392	40	16	4	5	3	2	4	4	2	11	6	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu393	50	22	14	37	14	22	42	32	36	31	23	25	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu394	25	25	7	29	24	16	2	4	7	33	29	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu395	12	20	19	19	24	34	3	4	9	12	19	5	Bacteria; Chloroflexi; Anaerolineae; H39
Otu396	92	44	22	64	25	11	94	64	53	62	63	59	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu397	27	3	2	2	1	4	0	0	0	6	9	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu398	33	3	10	22	8	11	20	16	19	24	18	12	Bacteria; Gemmatimonadetes; Gemmatimonadetes; KD8-87
Otu399	49	21	2	16	2	12	5	9	28	16	16	17	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2263	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3485	0	2	0	0	0	0	0	1	0	0	1	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales; Parachlamydiaceae
Otu714	3	11	3	6	8	10	6	11	12	3	5	1	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu715	7	11	4	1	4	1	2	2	1	0	7	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu716	3	7	10	17	4	26	17	21	35	1	4	17	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu717	77	22	40	21	44	18	32	14	17	21	66	17	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu710	1	1	4	21	0	1	4	6	6	4	0	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu711	2	2	4	5	1	2	4	2	4	3	16	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu712	20	4	5	4	5	11	5	3	8	3	17	2	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu713	0	12	5	19	3	4	0	4	11	1	1	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu248	70	82	28	41	40	14	27	9	2	21	55	9	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu249	87	17	18	17	10	7	41	13	7	21	8	19	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas_wittichii

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu718	11	5	2	3	3	0	7	0	1	5	9	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu719	3	0	2	17	2	0	1	2	4	4	3	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1873	0	0	2	1	2	2	5	0	3	3	4	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu1872	3	1	0	0	0	0	0	0	0	1	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1871	1	2	1	3	2	1	4	1	2	2	4	2	Bacteria; Firmicutes; Clostridia; OPB54
Otu1870	0	0	0	6	0	1	0	0	3	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu1877	2	1	2	3	1	1	0	1	0	1	4	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae
Otu1876	1	0	1	3	0	0	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1875	1	0	1	3	1	1	1	0	2	0	1	0	Bacteria
Otu1874	4	0	1	0	0	0	1	0	0	0	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu1879	4	1	3	0	1	1	1	0	0	1	2	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; OR-59
Otu1878	3	0	0	0	0	0	0	0	1	0	0	0	Bacteria; TM7; TM7-1
Otu2290	0	0	1	3	1	0	2	2	2	3	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2375	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2374	0	0	0	0	2	0	0	1	0	1	2	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae
Otu2377	0	0	0	0	1	0	1	0	0	2	3	0	Bacteria
Otu2291	0	0	0	1	0	0	0	0	0	0	0	3	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu2371	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2370	2	1	1	1	1	1	0	1	0	4	1	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Nevskia
Otu2373	0	0	0	0	0	1	0	0	2	0	0	0	Bacteria
Otu2372	0	1	2	2	2	1	2	1	1	3	1	0	Bacteria
Otu2296	1	0	2	4	0	1	2	0	3	2	4	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2379	1	2	0	1	0	0	1	0	1	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2378	2	0	2	0	0	0	4	1	2	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2297	0	0	1	0	1	1	3	1	5	3	1	2	Bacteria; Firmicutes; Bacilli; Bacillales
Otu2577	2	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Rubrobacteria; Rubrobacteriales; Rubrobacteraceae; Rubrobacter
Otu2576	0	0	0	3	1	0	1	1	0	0	1	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu2575	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2574	5	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu2573	30	17	54	57	19	90	84	62	85	64	39	80	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2294	0	0	1	1	0	2	3	3	2	2	1	2	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu2571	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu2570	0	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu2295	0	0	2	2	2	2	0	0	1	0	2	1	Bacteria; TM7; SC3
Otu2579	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Herpetosiphonales
Otu2578	0	0	0	0	0	0	0	0	0	1	2	0	Bacteria; Firmicutes; Bacilli; Bacillales
Otu2111	0	1	1	1	0	1	1	0	3	2	1	8	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga
Otu2110	2	2	1	0	1	1	1	0	0	0	3	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu2113	7	6	6	2	2	2	9	2	0	7	4	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2112	8	7	11	13	10	28	8	17	20	32	13	17	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu2115	8	4	4	13	2	9	17	14	13	10	3	16	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu2114	3	0	2	2	1	5	3	4	3	4	2	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3343	0	0	1	2	0	0	1	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3342	2	0	4	1	2	1	0	0	1	1	4	0	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2218	4	0	0	0	1	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu2219	0	0	3	1	1	3	2	0	5	4	0	3	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu3347	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu2117	4	1	0	0	2	0	2	1	0	3	1	0	Bacteria; Bacteroidetes; At12OctB3
Otu1909	3	0	0	0	1	1	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1908	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1907	1	0	1	3	0	1	1	1	0	3	1	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1906	4	1	0	0	0	0	1	0	0	1	1	0	Bacteria; Verrucomicrobia
Otu1905	1	0	0	0	0	0	0	0	0	0	4	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae; Chthonomonas
Otu1904	1	3	3	1	2	0	0	0	5	1	4	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu1903	0	0	0	0	3	0	0	0	1	0	2	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1902	1	0	1	1	6	0	0	1	2	2	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1901	5	2	4	1	2	2	1	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1900	1	8	3	8	11	6	3	5	14	6	0	13	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu866	13	9	7	21	4	14	17	16	13	27	13	11	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu867	4	7	4	9	7	9	1	3	7	4	2	2	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu864	8	3	9	6	0	9	13	6	14	8	14	4	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu865	0	0	1	1	0	0	2	0	1	10	3	1	Bacteria; Bacteroidetes; Sphingobacteria; Sphingobacteriales
Otu862	1	8	5	6	4	5	5	3	6	2	9	6	Bacteria; Acidobacteria; Chloracidobacteria; Ellin7246
Otu863	5	0	3	0	0	3	8	7	2	0	2	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu860	11	1	6	2	0	0	3	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu861	10	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2408	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu3189	0	0	0	2	0	1	1	0	1	1	1	2	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3188	0	0	0	1	1	0	1	2	2	0	3	0	Bacteria
Otu868	7	7	4	3	5	5	8	14	8	6	3	6	Bacteria; Proteobacteria; Gammaproteobacteria
Otu869	5	2	0	7	0	13	11	4	5	2	2	1	Bacteria; Acidobacteria; iii1-8; 32-20
Otu3006	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2106	0	0	1	0	0	1	0	0	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2107	0	0	1	4	0	1	4	0	4	3	3	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae
Otu2104	1	0	1	4	0	1	1	0	0	2	2	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2105	0	5	0	0	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacteriales; Hyphomonadaceae
Otu2102	1	1	0	0	0	0	4	0	1	1	4	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2103	5	3	0	1	2	0	0	0	0	0	1	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2100	0	0	0	2	1	3	4	0	0	1	4	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Cellulomonadaceae; Cellulomonas
Otu2101	4	0	1	1	2	0	0	0	0	0	3	0	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales; Phycisphaeraeae
Otu2108	35	8	23	39	11	23	27	22	26	32	43	25	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu2109	0	0	0	0	0	0	1	3	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1619	2	1	5	11	3	5	7	2	2	4	4	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1618	4	2	5	0	0	0	0	0	0	3	0	1	Bacteria; Bacteroidetes
Otu1613	4	0	2	1	1	1	0	1	1	4	2	1	Bacteria; Proteobacteria
Otu1612	0	2	2	5	3	4	7	2	3	1	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylocystaceae
Otu1611	0	1	2	1	2	2	7	1	2	2	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1610	5	0	2	0	1	2	0	4	4	3	1	0	Bacteria; FBP

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1617	8	2	2	0	3	0	1	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; OM27
Otu1616	3	1	6	13	1	3	8	3	7	2	14	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1615	0	1	0	0	0	1	5	0	0	14	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingopyxis
Otu1614	0	0	1	1	0	0	4	0	2	1	2	0	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu3291	0	0	0	1	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3290	0	0	2	0	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu3293	1	0	1	0	0	2	0	0	0	0	0	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu3292	0	1	0	5	0	0	2	1	0	1	2	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu3295	1	2	0	2	1	0	0	1	0	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu3294	3	1	3	1	2	1	3	0	1	0	0	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3297	15	6	7	7	1	0	2	1	0	0	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3296	0	1	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae; Leeia; Leeia_oryzae
Otu3299	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria
Otu3298	0	0	1	0	0	1	2	0	3	1	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3008	0	1	2	1	2	2	2	1	0	0	4	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae
Otu3009	0	2	1	0	0	0	1	0	0	1	0	0	Bacteria; Actinobacteria
Otu3186	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1727	1	2	1	5	6	0	0	1	1	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1726	0	0	1	0	0	1	2	0	4	2	0	3	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1725	2	0	4	0	0	0	1	1	1	1	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Thermoactinomycetaceae; Thermoactinomyces
Otu1724	0	0	0	3	3	0	2	1	0	3	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1723	0	1	1	3	3	9	4	3	7	5	1	7	Bacteria; Chloroflexi; Ktedonobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1267	8	4	5	10	1	0	2	0	2	4	7	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1264	0	0	1	0	0	0	1	0	0	1	7	6	Bacteria; FBP
Otu1265	1	3	1	2	6	1	0	0	0	2	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3275	2	1	0	0	0	1	0	0	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu1468	0	0	1	0	2	0	2	0	3	1	4	0	Bacteria; Verrucomicrobia; Pedosphaerae
Otu1469	4	4	3	0	1	3	2	0	3	1	6	3	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1464	9	4	8	3	5	5	1	4	5	8	4	1	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_johnsonii
Otu1465	0	0	3	3	1	5	2	0	1	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1466	2	4	0	1	1	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1467	1	4	2	2	3	6	4	3	4	5	6	3	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula
Otu1460	5	3	3	1	5	2	0	3	1	2	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1461	5	1	2	1	1	0	2	0	2	1	2	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1462	5	1	0	1	0	2	0	1	2	0	0	0	Bacteria; Cyanobacteria; Oscillatoriothycideae; Oscillatoriales; Phormidiaceae; Phormidium
Otu1463	9	1	3	3	1	1	3	2	1	1	5	1	Bacteria; TM7; SC3
Otu3183	0	0	0	0	0	0	0	0	0	0	3	1	Bacteria; Proteobacteria; Betaproteobacteria
Otu3177	0	1	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2814	2	0	0	1	0	0	0	0	0	0	0	0	Bacteria
Otu2815	0	2	0	1	0	0	0	0	0	0	1	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu2817	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2810	0	0	0	2	0	0	0	0	2	3	0	0	Bacteria
Otu2811	0	0	1	2	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2812	1	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; ML635J-21

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2813	11	3	6	5	3	3	16	2	3	1	10	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu3435	0	1	1	0	0	0	2	0	1	0	3	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3434	1	0	0	0	0	0	0	0	1	2	0	0	Bacteria; Elusimicrobia; Elusimicrobia; Iib
Otu3437	4	1	2	0	2	0	0	0	1	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3436	0	1	0	0	1	0	2	0	0	1	3	0	Bacteria; Chloroflexi
Otu2818	0	1	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2819	0	0	2	0	0	0	0	0	1	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3433	3	0	0	1	1	1	0	1	1	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; MSBL9
Otu3432	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu3182	2	1	1	0	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae; Caldilinea
Otu1598	1	0	3	1	1	2	1	3	5	3	4	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1599	1	1	1	0	0	1	3	0	0	1	5	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Syntrophia; Syntrophia_ruralis
Otu1590	1	0	0	1	0	0	0	0	0	5	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacteriales; Caulobacteraceae; Asticcacaulis
Otu1591	5	0	2	4	0	1	0	0	1	1	8	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1592	14	8	17	13	12	18	31	7	25	10	26	7	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu1593	1	6	2	1	6	2	1	4	4	3	8	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1594	11	9	12	22	6	12	11	12	10	10	17	8	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu1595	0	3	1	5	1	1	0	0	0	11	1	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Luteolibacter
Otu1596	6	1	3	4	2	3	1	2	0	0	8	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu1597	3	1	0	0	0	7	0	0	0	3	6	2	Bacteria; Cyanobacteria
Otu1042	12	3	1	4	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1043	4	1	1	6	1	1	4	0	2	6	7	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu529	3	1	14	24	6	5	2	6	4	6	9	5	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu528	6	1	3	5	1	12	9	21	22	12	5	9	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1046	0	0	7	0	0	6	0	0	0	0	0	0	Bacteria
Otu1047	7	3	2	1	4	0	3	5	4	4	11	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1044	2	1	0	9	0	0	1	4	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1045	8	5	0	9	2	0	3	0	3	10	2	7	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; Alteromonadaceae; Cellvibrio
Otu523	30	10	7	29	2	7	9	2	18	20	9	6	Bacteria; Fibrobacteres; Fibrobacteria; 258ds10
Otu522	30	15	13	24	9	6	12	13	24	8	17	9	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu521	4	1	6	16	10	3	9	17	13	12	19	13	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu520	7	8	20	10	13	11	34	14	13	10	47	4	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu527	4	13	27	48	10	28	27	18	28	22	2	37	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu526	81	32	80	83	9	22	53	12	41	26	21	61	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae; Cupriavidus
Otu525	2	2	8	4	10	6	19	10	5	8	18	3	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu524	21	15	5	2	37	1	1	1	0	4	20	1	Bacteria; Bacteroidetes
Otu1284	0	0	0	0	0	0	1	1	0	1	0	5	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1285	4	2	3	7	2	4	1	1	1	6	5	1	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu1286	0	0	0	1	1	6	2	4	1	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1287	2	1	5	4	5	4	0	0	5	7	1	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1280	1	1	0	0	0	2	4	2	1	6	0	1	Bacteria
Otu1281	4	7	8	13	3	0	26	5	3	6	3	53	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu1282	12	9	12	11	6	13	23	14	12	14	23	18	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu1283	0	10	5	6	2	1	1	0	1	1	3	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae; Agromyces

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3264	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu1288	7	12	5	2	5	2	1	0	0	2	6	3	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu1289	9	2	2	2	1	0	4	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu3265	1	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2588	191	71	180	289	121	98	184	165	202	309	254	216	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu2589	2	0	1	0	2	1	3	0	0	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2582	0	0	2	3	0	0	2	2	2	0	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu2583	0	0	0	3	2	1	0	0	3	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales
Otu2580	0	1	1	2	0	1	1	1	5	0	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2581	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; TA18; CV90
Otu2586	0	2	0	0	0	0	0	0	1	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2587	0	0	0	2	0	1	1	2	1	2	2	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Actinospicaceae
Otu2584	0	1	1	2	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2585	0	0	0	0	0	0	1	0	0	0	2	0	Bacteria
Otu3268	0	0	0	0	0	0	2	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae
Otu2748	2	3	3	1	0	1	2	1	0	3	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu2749	0	1	1	1	0	0	0	0	1	0	3	1	Bacteria; Cyanobacteria; ML635J-21
Otu3269	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu2744	0	1	0	0	0	0	5	3	0	0	1	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Promicromonosporaceae; Cellulosimicrobium
Otu2745	2	0	1	3	1	1	3	2	6	0	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu2746	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Armatimonadetes; SJA-176; RB046
Otu2747	0	2	0	1	0	0	3	1	0	0	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2741	0	0	0	2	2	0	2	0	0	0	2	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu2742	1	1	1	3	1	0	1	1	2	1	4	4	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu2743	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu417	24	10	15	27	8	4	8	13	8	10	18	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu416	20	23	13	20	10	9	10	22	24	11	8	19	Bacteria; Chlorobi
Otu415	19	11	15	13	13	2	28	4	6	1	45	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Skermanella
Otu414	21	29	27	7	0	1	14	5	31	3	9	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu413	0	1	5	6	0	32	5	27	21	10	1	10	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu412	0	0	5	10	3	3	8	2	14	22	13	10	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu411	48	7	10	18	6	12	28	5	19	22	16	11	Bacteria; Proteobacteria; Alphaproteobacteria
Otu410	77	63	58	48	65	21	33	11	22	61	101	21	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu419	17	8	11	29	8	30	30	12	31	25	24	25	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu418	57	16	20	42	31	13	14	16	12	25	31	13	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1138	0	0	1	1	0	4	0	1	8	0	1	1	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu1139	11	35	5	4	7	0	49	1	3	17	9	17	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Pedobacter
Otu1136	2	6	11	1	2	1	0	0	1	0	6	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu1137	0	0	6	0	0	0	0	0	0	0	0	0	Bacteria; OP11; OP11-3
Otu1134	3	6	1	1	0	1	0	0	0	0	4	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1135	16	5	9	7	4	7	5	4	6	1	14	3	Bacteria; Proteobacteria; Betaproteobacteria
Otu1132	1	10	1	2	1	1	0	0	4	3	0	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1133	1	0	0	4	0	1	8	0	0	3	0	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1130	5	7	5	2	7	7	0	1	0	5	7	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1131	6	6	0	4	1	0	2	0	0	0	5	1	Bacteria; Planctomycetes; vadinHA49; DH61
Otu3149	0	1	0	0	0	0	1	0	0	0	5	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu899	50	33	24	72	35	28	41	20	43	54	55	27	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu898	9	0	0	0	0	1	0	1	0	0	1	1	Bacteria; Bacteroidetes
Otu679	8	8	7	6	7	5	9	4	13	7	20	8	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu678	13	2	5	4	1	2	8	4	1	1	5	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu677	5	3	7	12	6	4	11	10	17	7	16	9	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu676	7	8	2	8	4	7	15	4	8	5	4	2	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu675	27	0	0	7	2	6	6	5	9	4	0	4	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu674	26	23	21	43	15	31	23	13	34	12	24	8	Bacteria; Planctomycetes; BD7-11
Otu673	1	0	8	0	1	5	17	1	0	5	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Kaistia
Otu672	3	2	4	10	3	5	12	3	3	15	5	4	Bacteria
Otu895	2	6	3	14	3	7	2	3	11	1	6	3	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu670	29	14	100	57	12	22	119	39	19	28	17	21	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu2444	3	0	0	0	0	0	0	1	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu389	61	22	14	15	10	29	22	9	17	13	25	12	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dokdonella
Otu388	18	11	4	28	14	5	21	16	20	14	11	18	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu387	9	5	10	27	1	22	11	19	35	3	10	5	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Conexibacteraceae
Otu386	23	50	59	73	37	56	93	72	94	82	25	115	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu385	2	1	2	13	6	11	9	34	6	20	12	11	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu384	19	27	9	27	36	16	27	19	42	22	23	25	Bacteria; Gemmatimonadetes; Gemm-1
Otu383	36	34	22	24	28	5	17	4	9	11	40	5	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu382	7	5	10	4	19	15	6	3	3	1	29	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu381	23	7	11	15	6	23	13	12	14	29	31	12	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu380	21	9	17	10	12	9	62	9	10	3	17	8	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideae; Kribbella
Otu2328	0	0	0	0	0	1	0	0	3	1	0	0	Bacteria
Otu2329	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu251	37	22	17	58	7	25	18	11	20	30	20	20	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu250	27	10	7	24	6	25	39	31	28	49	10	30	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu253	19	12	13	23	14	49	6	9	8	15	40	13	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu252	92	53	33	36	23	14	71	34	37	70	55	69	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu255	39	38	34	54	41	51	63	33	57	31	117	28	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu254	83	61	68	100	30	42	61	43	103	93	81	82	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu257	91	13	7	10	7	8	9	2	4	21	8	15	Bacteria; Proteobacteria; Gammaproteobacteria; HTCC2188; HTCC2089
Otu256	23	9	20	51	9	45	37	40	38	70	11	44	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu259	84	26	23	25	20	15	23	16	10	15	33	7	Bacteria; Acidobacteria; Chloracidobacteria; DS-100
Otu258	6	9	8	51	0	0	10	1	0	1	2	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Dokdonella
Otu709	6	5	7	15	3	6	6	10	3	7	11	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu708	2	1	2	5	2	2	12	4	6	2	7	4	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3143	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; AT-s54
Otu1860	1	1	1	1	1	4	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1861	1	6	2	4	2	6	0	0	3	2	5	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1862	3	8	5	8	2	8	7	3	10	12	6	8	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1863	7	6	8	9	6	5	9	2	17	13	18	5	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1864	0	0	4	0	3	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1865	6	1	0	4	0	1	2	0	3	0	1	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1866	0	1	1	2	1	0	0	1	1	1	3	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1867	3	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes
Otu1868	3	0	1	2	2	0	7	5	5	2	3	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1869	0	0	0	2	1	0	2	0	1	0	4	0	Bacteria
Otu2323	0	0	1	1	2	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Hyphomonadaceae
Otu2362	0	0	1	0	1	1	2	0	2	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2363	2	1	1	0	0	0	2	2	1	2	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2360	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2361	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2366	0	0	1	1	0	0	0	0	0	2	2	1	Bacteria; OP3; PBS-25
Otu2367	0	0	0	1	1	2	0	0	1	0	1	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2364	0	0	0	0	1	0	0	0	0	2	1	0	Bacteria; OD1; SM2F11
Otu2365	6	8	15	7	8	5	14	3	4	9	16	4	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2368	0	2	0	0	0	0	1	1	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae; Inquilinus; Inquilinus Jimosus
Otu2369	3	0	4	8	1	4	9	1	5	0	8	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Geodermatophilaceae; Geodermatophilus
Otu2564	0	1	0	0	0	2	0	0	0	2	0	1	Bacteria; FBP
Otu2565	0	0	2	0	1	0	0	0	0	1	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu2566	0	0	0	0	0	3	2	0	0	0	0	0	Bacteria
Otu2567	6	25	1	12	3	3	4	6	2	4	2	4	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu2560	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; OM190; CL500-15

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2561	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu2562	2	0	0	0	0	0	0	0	0	0	0	1	Bacteria; OD1; ZB2
Otu2563	0	1	3	1	1	0	0	0	2	0	0	0	Bacteria; TM7; SC3
Otu2568	3	1	1	0	0	2	0	0	0	1	1	0	Bacteria; Acidobacteria; Sva0725; Sva0725
Otu2569	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; OD1; ZB2
Otu3155	0	0	0	1	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3350	2	0	0	3	0	0	0	1	2	3	2	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2325	0	0	0	0	2	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3352	4	2	9	21	10	14	4	3	9	5	11	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu3353	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1918	3	0	0	0	0	2	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1919	8	3	4	8	5	0	2	0	1	1	7	3	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas; Sphingomonas_changbaiensis
Otu3356	0	0	1	0	0	1	3	2	2	1	1	0	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu3357	0	0	1	0	0	2	0	0	1	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1914	1	1	0	0	1	0	0	1	2	4	5	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu1915	0	0	0	0	0	0	1	0	1	1	3	3	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1916	1	0	2	1	0	1	1	2	1	0	1	5	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1917	3	1	2	0	0	0	0	0	1	1	3	1	Bacteria; AD3; ABS-6
Otu1910	0	1	15	0	1	1	6	0	1	2	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1911	0	1	5	0	1	4	5	4	5	0	5	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Thermomonosporaceae
Otu1912	0	5	0	0	0	0	0	0	0	0	2	0	Bacteria; Acidobacteria; Chloracidobacteria
Otu1913	3	1	1	4	2	0	4	0	1	1	2	2	Bacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu875	20	5	6	2	5	4	4	0	4	4	5	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu874	20	3	5	6	5	9	3	6	8	9	8	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu877	12	4	4	1	2	1	4	1	0	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu876	4	2	9	5	3	9	6	1	7	2	13	5	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu871	11	6	2	6	9	1	3	5	0	19	6	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu870	9	0	4	1	2	3	5	1	3	0	3	3	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu873	7	2	4	7	4	6	7	8	4	8	10	10	Bacteria; Planctomycetes; vadinHA49; DH61
Otu872	2	4	5	3	2	10	6	3	3	0	8	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3198	0	0	0	0	0	1	3	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3199	0	1	0	0	0	1	1	0	0	3	0	0	Bacteria; TM7; SC3
Otu879	9	2	6	13	11	4	8	3	4	15	13	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu878	8	9	5	1	3	1	1	1	4	12	3	9	Bacteria; WS3; PRR-12; Sediment-1
Otu2322	2	1	3	2	2	1	3	1	0	0	0	2	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu3429	0	2	0	0	0	0	0	0	1	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3481	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2173	18	6	4	3	3	2	1	0	2	4	6	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2172	0	0	0	0	0	4	0	0	0	0	0	0	Bacteria; Cyanobacteria; Nostocophycideae; Nostocales; Nostocaceae
Otu2171	0	4	3	3	1	0	1	0	2	1	3	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu2170	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10
Otu2177	1	0	2	1	1	1	1	1	0	3	4	0	Bacteria
Otu2176	2	0	0	0	0	2	1	0	0	3	0	0	Bacteria; TM7; SC3
Otu2175	0	0	0	0	0	1	0	0	1	1	0	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2174	0	2	0	4	2	0	2	2	5	3	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2179	2	3	3	0	0	0	0	2	1	1	2	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2178	0	2	1	0	0	0	0	0	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1608	3	1	1	9	0	0	4	0	2	4	6	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1600	1	3	2	0	2	2	2	0	2	0	4	1	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu1601	0	1	1	2	0	1	5	0	0	0	1	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu1602	0	1	1	0	2	0	2	0	0	1	4	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu1603	5	1	0	0	3	0	1	1	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1604	0	0	0	4	0	1	0	1	7	2	1	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1605	1	2	0	2	2	0	1	0	1	2	0	4	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1606	12	1	3	2	1	2	2	4	0	1	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1607	14	2	1	5	3	4	6	7	7	2	2	5	Bacteria; Proteobacteria
Otu3288	7	2	1	14	2	1	5	5	6	4	6	7	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3289	0	0	1	1	0	2	0	1	1	0	0	0	Bacteria; OD1; SM2F11
Otu3286	3	2	1	1	5	1	0	0	2	1	4	0	Bacteria; Acidobacteria; iii1-8; SJA-36
Otu549	16	6	16	17	9	10	9	4	5	12	11	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3284	0	0	1	1	0	0	2	1	1	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu3285	0	0	0	2	1	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3282	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bacteriovoracaceae
Otu3283	0	0	0	2	0	1	0	2	2	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales
Otu3280	1	0	0	0	0	1	1	2	0	0	1	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Gracilibacteraceae; Gracilibacter
Otu548	13	8	7	7	7	2	6	4	10	5	23	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2018	3	1	1	1	0	1	2	2	1	1	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1734	0	1	0	4	0	0	3	3	1	8	4	2	Bacteria; Chloroflexi; TK10; AKYG885; 5B-12
Otu1735	0	2	0	0	3	0	0	0	0	1	2	0	Bacteria; GN02; 3BR-5F
Otu1736	557	261	347	634	283	285	461	476	557	574	638	426	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1737	0	0	0	1	0	0	0	1	0	3	0	1	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu1730	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Chlorobi; SJA-28
Otu1731	9	1	1	6	2	2	0	3	6	7	5	8	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu1732	0	0	0	0	0	0	4	0	2	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatissporales; Thermogemmatissporaceae
Otu1733	3	0	1	0	0	0	1	1	0	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2007	0	2	0	0	1	1	2	1	3	4	1	4	Bacteria; Armatimonadetes; 0319-6E2
Otu541	4	13	15	16	13	12	7	9	14	7	22	2	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2005	9	1	5	5	1	2	14	4	4	1	4	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilimelia
Otu2004	4	0	0	0	0	1	0	0	0	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1738	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1739	5	4	6	5	6	2	4	5	4	1	7	1	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2001	0	1	5	1	0	1	1	0	0	7	3	1	Bacteria; OP3; koll11
Otu540	95	29	13	20	12	6	43	6	8	21	35	15	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu941	2	2	7	2	9	3	3	0	0	0	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium; Agrobacterium_vitis
Otu940	11	3	3	0	0	0	4	0	0	1	4	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu767	0	1	6	8	3	0	7	2	4	8	11	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu942	6	4	5	6	0	10	24	29	5	7	12	28	Bacteria; TM7; TM7-1
Otu761	14	5	3	3	2	3	0	0	1	0	3	1	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2285	2	1	1	3	0	0	1	1	1	2	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu944	14	6	8	11	2	6	8	6	1	2	6	9	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1459	1	0	2	2	1	3	4	1	2	2	5	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu1458	2	2	1	2	0	1	5	1	4	4	5	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu763	3	5	4	8	1	0	13	12	3	1	1	0	Bacteria
Otu3401	2	2	0	0	1	2	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Hyphomonadaceae
Otu1451	8	5	1	1	2	0	5	0	0	2	0	1	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu1450	4	7	0	10	5	6	3	2	4	6	10	7	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu1453	4	1	0	0	0	0	0	0	0	0	0	1	Bacteria; Acidobacteria; TM1
Otu762	7	2	8	8	0	23	4	3	5	6	3	8	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu1455	5	1	1	1	0	2	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu1454	1	1	3	7	1	0	4	2	1	4	4	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1457	1	6	1	1	3	1	2	1	3	1	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Pilimelia
Otu1456	7	0	1	1	2	1	0	0	0	1	0	1	Bacteria; BRC1; PRR-11
Otu2284	4	3	0	0	0	1	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu2489	15	10	18	25	12	19	27	21	34	27	32	15	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2821	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2820	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria; TM6; SJA-4
Otu2823	0	0	1	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu2488	0	0	0	0	0	0	0	0	3	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2825	37	38	35	18	50	11	3	3	2	27	46	7	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu2824	4	0	0	1	0	0	0	0	0	0	0	2	Bacteria; Gemmatimonadetes; Gemm-3

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2827	0	0	4	1	4	2	2	0	0	2	3	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2826	7	14	34	39	10	59	15	48	44	15	17	37	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu2829	2	0	0	2	0	7	0	2	0	3	3	4	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu2828	1	2	1	1	0	2	2	2	6	3	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3420	1	1	0	0	0	0	0	2	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu3421	4	3	2	6	1	2	2	2	4	0	1	0	Bacteria; TM6; SJA-4
Otu3426	0	0	1	0	0	3	1	2	1	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaceae
Otu3427	2	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3424	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; OM190; agg27
Otu3425	0	2	0	1	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycidae; Pseudanabaenales; Pseudanabaenaceae
Otu3007	2	0	0	0	0	0	1	0	0	0	0	1	Bacteria; Proteobacteria
Otu2955	2	1	0	0	0	0	1	0	3	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2954	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemm-3
Otu2957	0	0	0	1	0	0	0	0	2	1	2	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2956	1	0	1	0	0	0	3	0	1	3	3	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2951	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2950	3	2	2	0	5	1	0	0	1	1	1	1	Bacteria; Spirochaetes; Leptospirae; Leptospirales; Leptospiraceae; Turneriella
Otu2953	0	0	0	0	0	0	2	0	0	3	0	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2952	0	0	0	2	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2959	17	12	5	29	35	15	17	33	39	38	21	56	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2958	0	0	0	1	0	0	0	0	1	0	1	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Amoebophilaceae
Otu3400	0	0	0	2	0	0	0	0	1	0	0	1	Bacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3317	1	0	0	2	0	0	0	1	1	2	0	7	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Alkanibacter; Alkanibacter_difficilis
Otu2806	0	0	0	0	0	0	0	1	0	0	2	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu3402	0	0	1	0	0	0	1	1	1	0	2	2	Bacteria
Otu2965	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu3403	2	1	1	0	1	0	0	0	0	0	4	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu3404	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhodobiaceae; Afifella
Otu3405	2	0	0	0	0	1	0	0	1	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu3406	2	1	1	0	1	0	0	0	0	0	0	1	Bacteria; Bacteroidetes
Otu2800	0	0	0	0	2	0	1	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu2473	0	1	1	1	0	2	2	1	2	1	1	1	Bacteria
Otu3341	0	0	0	0	0	0	0	3	1	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2779	2	4	10	9	5	6	15	6	8	7	6	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2778	3	4	0	0	0	0	0	1	0	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2771	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu2770	2	0	1	2	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2773	1	0	0	2	0	0	0	3	3	2	1	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu2772	0	0	1	1	1	0	2	0	2	0	1	0	Bacteria; TM6; SJA-4
Otu2775	0	0	0	0	1	0	1	0	2	0	0	0	Bacteria; Chloroflexi; TK17
Otu2774	1	2	3	6	1	2	0	1	3	1	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu2777	2	0	1	2	2	3	11	0	5	4	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2776	2	0	0	0	0	0	0	1	1	0	1	0	Bacteria; Planctomycetes; BD7-11
Otu462	5	6	13	17	6	29	4	5	10	2	20	2	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu463	4	2	10	23	7	10	14	5	18	20	28	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu460	10	5	1	19	15	14	16	3	18	3	25	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu461	9	7	13	6	11	3	3	1	1	0	24	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu466	21	5	4	7	7	2	6	0	3	4	9	2	Bacteria; Armatimonadetes; 0319-6E2
Otu467	4	8	20	36	10	10	12	9	9	14	23	8	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu464	34	9	8	37	11	7	12	19	18	15	10	19	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu465	15	18	27	94	7	24	81	70	57	42	36	24	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu468	27	6	8	21	4	9	15	21	6	17	6	8	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu469	9	4	11	2	2	3	2	1	0	7	25	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1149	9	4	2	3	7	2	1	2	11	3	10	1	Bacteria; OD1; SM2F11
Otu1148	1	3	11	2	2	2	4	0	4	3	11	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Legionellaceae; Legionella
Otu1143	4	1	3	2	0	1	6	2	5	1	3	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae; Roseomonas
Otu1142	2	4	0	0	7	2	2	1	2	0	3	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu1141	2	1	0	4	0	0	7	3	0	3	3	4	Bacteria; Gemmatimonadetes; Gemm-5
Otu1140	5	0	0	9	2	7	0	0	2	0	9	0	Bacteria; Cyanobacteria
Otu1147	3	1	2	2	9	0	0	0	4	2	4	1	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1146	7	5	1	8	0	1	4	6	1	7	3	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1145	0	0	0	7	1	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu1144	2	1	4	1	2	11	3	4	0	1	5	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2483	170	120	51	39	73	14	23	11	12	38	74	17	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2482	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu608	15	11	2	5	6	5	3	2	1	6	14	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu609	13	12	16	6	17	1	10	4	2	8	17	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2487	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; H39
Otu2486	1	0	1	1	0	0	2	0	0	0	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu2485	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae
Otu2484	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu602	30	3	5	13	2	3	10	12	5	15	7	7	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu603	29	8	12	6	5	1	7	2	2	4	13	2	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu601	15	3	8	7	11	4	6	4	3	1	16	1	Bacteria; Chloroflexi; C0119
Otu606	4	0	0	0	0	0	0	0	0	18	0	5	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Brevundimonas; Brevundimonas_diminuta
Otu607	19	7	4	1	6	3	6	2	1	3	7	3	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu604	1	1	4	14	5	10	13	10	5	6	24	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylobacteriaceae; Methylobacterium
Otu605	5	9	7	13	7	4	16	20	15	11	7	17	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu268	118	18	16	52	14	40	83	64	65	65	52	57	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu269	48	14	44	78	28	44	105	76	96	58	80	42	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu264	82	62	72	61	38	46	111	68	61	46	86	51	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu265	35	38	143	126	46	53	118	40	66	26	129	42	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioideaceae
Otu266	33	34	19	21	57	12	15	15	6	17	38	4	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu267	44	51	42	145	26	34	105	79	69	36	68	60	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu260	15	23	21	18	47	10	9	6	7	5	29	2	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu261	22	46	37	18	14	15	10	8	27	8	10	10	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu262	56	19	7	8	9	4	13	7	4	17	23	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu263	121	26	14	26	18	17	27	13	19	19	45	11	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu116	100	65	15	10	16	15	17	7	8	14	44	15	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu117	119	85	52	69	40	56	59	30	45	40	50	44	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; O319-6A21
Otu114	87	100	256	105	80	143	312	49	78	38	134	54	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Streptomycetaceae; Streptomyces; Streptomyces_mirabilis
Otu115	1	0	3	18	0	11	2	18	1	118	1	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae; Elizabethkingia; Elizabethkingia_meningoseptica
Otu112	3	1	15	34	15	107	11	42	35	33	16	8	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu113	159	35	30	55	27	32	36	36	37	58	34	23	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu110	203	90	73	127	88	74	124	143	67	169	120	58	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu111	199	92	74	41	56	78	33	16	8	30	80	18	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1855	11	1	0	0	1	0	0	0	0	2	0	0	Bacteria; Gemmatimonadetes; Gemm-3
Otu1854	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1857	1	0	0	1	0	0	3	4	2	1	0	4	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1856	0	0	1	1	1	0	1	0	4	0	0	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1851	0	0	1	1	4	0	0	0	1	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1850	0	0	1	0	3	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu118	67	27	41	103	13	57	79	74	89	83	44	102	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu119	73	26	34	96	16	18	19	19	28	44	11	98	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_nitroreducens
Otu286	45	38	57	25	13	22	76	11	20	16	23	21	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Phyllobacteriaceae; Mesorhizobium
Otu287	133	46	44	67	30	33	96	86	76	54	50	81	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu284	2	13	17	8	12	1	12	0	35	1	12	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacteraceae; Cystobacter
Otu285	15	6	28	13	9	6	60	46	22	12	16	35	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu282	11	5	12	59	9	16	24	44	63	55	39	29	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu283	6	0	15	24	3	34	9	28	26	53	13	32	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu280	162	68	70	69	55	27	72	22	48	51	104	24	Bacteria; Proteobacteria; Betaproteobacteria
Otu281	44	0	2	2	0	0	1	1	10	4	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2397	0	1	1	4	1	1	0	1	1	4	0	1	Bacteria; Planctomycetes; vadinHA49; DH61
Otu2396	0	0	0	0	2	2	0	0	0	0	2	0	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu2395	2	0	2	1	0	0	0	1	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2394	5	1	0	1	1	0	0	0	0	1	0	1	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu2393	3	0	0	3	3	0	1	0	0	1	3	0	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2392	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Brocadia; Brocadiiales; Brocadiaceae; Kuenenia; Kuenenia_stuttgariensis
Otu288	71	14	13	9	10	6	13	10	8	9	7	8	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu289	136	43	29	28	14	19	16	21	20	16	62	15	Bacteria; Acidobacteria; iii1-8; 32-20
Otu2551	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2550	0	0	0	2	0	0	1	0	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2553	0	0	1	0	0	1	0	1	0	2	0	2	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu2552	0	0	0	0	0	2	0	1	1	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu2555	2	1	1	4	0	1	4	0	1	1	2	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2554	1	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2557	1	1	0	0	0	0	0	0	0	2	0	2	Bacteria; Proteobacteria; Betaproteobacteria; A21b; EB1003
Otu2556	0	0	0	0	0	0	0	0	0	0	4	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Kineosporiaceae; Kineococcus
Otu2559	3	1	1	0	3	1	1	1	0	2	3	0	Bacteria
Otu2558	0	0	0	0	2	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu1929	3	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu1928	0	1	4	4	1	0	4	0	5	0	3	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3369	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu3368	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu1921	5	4	2	3	0	2	1	0	4	2	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1859	3	7	5	2	3	2	1	1	0	3	5	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1923	0	0	1	3	1	1	2	1	4	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1922	0	0	0	2	0	1	4	2	0	0	1	1	Bacteria; AD3; JG37-AG-4
Otu1925	0	0	1	0	1	2	3	0	0	2	7	1	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta; Chlamydomonadaceae
Otu1924	5	0	0	2	2	1	2	1	1	0	1	1	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1927	5	1	2	0	2	1	0	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1858	3	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu840	20	2	6	16	3	4	24	11	14	6	12	11	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu841	5	8	12	9	8	7	12	0	2	7	14	2	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu842	7	4	2	11	2	0	4	0	4	5	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu843	22	15	11	14	6	7	7	5	10	8	13	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu844	2	0	3	11	1	3	4	0	5	4	4	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu845	3	0	3	3	7	13	0	0	6	9	7	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu846	0	1	6	2	1	10	5	1	11	1	6	4	Bacteria; Chloroflexi; Ktedonobacteria
Otu847	1	6	5	14	6	1	13	6	14	27	6	30	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu848	6	5	8	8	3	1	16	6	5	4	4	6	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae; Terriglobus
Otu849	16	11	1	2	4	0	5	0	0	1	6	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3165	0	0	2	0	0	0	4	1	0	1	0	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaceae; Nocardia
Otu3164	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3163	0	0	0	1	0	0	0	0	0	1	1	2	Bacteria; OD1; ZB2
Otu3162	2	1	1	0	1	0	0	0	1	3	1	0	Bacteria; Chloroflexi; TK17
Otu3161	3	3	7	3	2	3	1	2	0	4	4	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu3160	2	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu2790	1	2	1	1	1	3	1	2	2	2	4	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu3092	0	1	0	0	1	1	3	0	0	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1635	5	3	2	5	0	2	3	6	5	1	1	2	Bacteria; Armatimonadetes; 0319-6E2
Otu1583	7	4	4	9	0	5	4	4	12	7	4	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu1637	3	0	3	4	1	2	9	4	1	2	8	3	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu1636	4	1	1	1	1	0	2	1	2	1	3	0	Bacteria; Armatimonadetes; OPB50
Otu1631	0	0	0	1	0	4	0	0	0	0	1	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1630	7	2	1	0	1	0	0	0	1	0	1	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1582	13	0	2	6	3	1	5	1	3	6	1	3	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu2168	33	16	9	4	7	1	10	2	2	15	15	1	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu2169	3	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Pla3
Otu1852	234	120	77	61	59	43	53	28	35	63	69	17	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1639	3	4	1	0	4	0	2	1	2	3	4	0	Bacteria; Gemmatimonadetes; Gemm-5
Otu1581	1	2	0	0	0	3	5	1	0	4	0	3	Bacteria; OD1; SM2F11
Otu1580	2	0	1	0	4	0	0	0	0	2	3	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2139	1	1	0	0	2	0	1	0	0	5	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1587	2	2	4	0	0	0	0	0	1	0	2	0	Bacteria; Chlorobi; SJA-28
Otu2138	0	0	0	4	0	0	1	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1586	1	1	1	8	0	0	3	4	4	2	0	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3119	2	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Ruminococcaceae
Otu1585	2	1	1	3	2	6	5	0	3	4	6	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1584	1	2	0	0	8	1	0	1	0	0	4	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu2399	0	0	0	1	0	1	0	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu2133	0	0	0	3	0	0	0	0	1	0	0	0	Bacteria; Chlorobi
Otu2398	2	0	0	0	1	0	0	0	0	0	0	0	Bacteria; Elusimicrobia; Elusimicrobia; I1b
Otu2132	0	4	0	2	0	0	0	0	0	0	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu3113	0	0	1	0	0	3	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales
Otu420	35	6	18	20	6	24	20	16	27	17	21	17	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1701	1	1	1	1	0	4	4	2	3	2	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1700	3	0	1	0	2	0	3	1	3	3	2	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micrococcaceae; Sinomonas
Otu1703	2	0	1	0	0	0	0	0	1	3	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu1702	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu1705	89	40	39	48	39	10	30	11	20	36	75	18	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu1704	1	0	0	0	5	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1707	1	2	2	0	2	0	4	1	0	1	2	0	Bacteria; Proteobacteria
Otu1706	2	0	1	6	0	1	5	4	5	5	10	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1709	1	0	1	6	0	0	3	1	0	7	0	0	Bacteria; Bacteroidetes; Sphingobacteriai; Sphingobacteriales; Sphingobacteriaceae; Sphingobacterium
Otu1708	1	1	0	3	2	6	2	1	3	1	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2016	4	4	2	2	2	2	1	0	1	1	3	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2017	3	0	0	0	0	0	0	0	0	3	0	0	Bacteria; Acidobacteria; iii1-8; DS-18

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2011	3	0	3	7	1	3	5	4	6	7	5	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2012	0	2	1	3	0	1	1	4	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2013	2	3	0	0	3	0	0	0	0	0	1	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu3387	36	8	7	8	6	1	5	2	1	25	12	5	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu3386	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3385	0	0	0	0	1	2	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; SHA-31
Otu3384	0	1	0	2	2	0	0	1	0	0	2	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu3383	1	1	0	0	2	0	0	0	0	0	0	2	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu2391	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu3381	0	0	0	0	0	0	0	0	3	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu3380	2	0	0	0	0	0	0	1	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2390	1	0	3	1	2	1	1	0	0	0	3	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu3389	0	0	1	1	0	1	0	0	0	0	2	0	Bacteria; Planctomycetes; C6; d113
Otu3388	0	0	0	0	0	0	0	0	1	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu706	17	6	14	18	8	14	25	8	12	8	18	8	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacteriales; Patulibacteraceae
Otu1446	11	0	4	4	1	1	3	0	4	1	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacteriales
Otu1447	2	3	2	3	1	2	5	5	3	1	8	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1444	0	3	3	0	5	0	1	0	1	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1445	0	2	1	3	0	0	1	4	6	1	1	3	Bacteria; OD1; SM2F11
Otu1442	0	3	1	2	1	2	1	1	2	4	4	1	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu1443	0	7	0	1	0	1	2	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1440	4	2	6	1	4	1	0	1	3	0	4	0	Bacteria; Acidobacteria; BPC102; B110

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1441	6	1	0	2	3	0	1	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1448	6	4	3	0	2	4	2	0	0	3	0	3	Bacteria; Acidobacteria; EC1113
Otu1449	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2699	2	0	1	2	0	0	0	0	0	1	0	2	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2413	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu2839	0	0	0	0	3	1	0	0	0	0	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu2836	3	2	4	2	0	2	5	4	6	2	8	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae
Otu2837	2	0	0	0	2	1	0	2	1	1	4	0	Bacteria; FBP
Otu2834	0	0	1	0	0	0	2	1	2	0	4	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2835	1	1	3	0	0	1	3	1	1	1	2	0	Bacteria; Chloroflexi; C0119
Otu2832	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria; BRC1; PRR-11
Otu2833	0	3	0	1	0	0	0	0	0	0	1	0	Bacteria; Planctomycetes; 028H05-P-BN-P5
Otu2830	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2831	3	0	0	2	1	0	0	0	0	4	1	1	Bacteria; OD1; ZB2
Otu2942	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu2943	0	0	0	0	0	0	0	0	2	0	2	0	Bacteria; OD1; ZB2
Otu2940	1	3	0	1	0	0	0	0	0	1	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae; Syntrophobacter
Otu2941	117	58	51	100	56	43	45	67	66	107	105	69	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu2946	3	3	0	0	1	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2947	1	2	2	1	0	0	2	2	1	0	1	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2944	0	0	1	0	1	3	0	0	0	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2945	0	2	0	0	0	0	0	0	1	0	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Thermomonosporaceae; Actinocorallia

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2948	0	0	0	0	0	1	0	2	2	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2949	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu538	9	2	3	12	6	0	18	6	18	3	17	1	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu539	115	42	34	44	28	29	42	39	29	60	54	30	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2262	3	9	6	1	1	1	6	1	0	3	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2617	0	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu2766	2	0	0	0	1	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; EB1017
Otu2767	0	2	0	0	0	0	1	1	0	0	0	0	Bacteria; Firmicutes; Clostridia; OPB54
Otu2764	0	1	1	0	0	1	1	0	0	1	0	2	Bacteria
Otu2765	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2762	3	2	0	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2763	0	2	1	3	1	0	3	0	0	0	1	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2760	0	2	0	0	1	0	0	0	0	0	0	1	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2761	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu530	54	30	38	33	15	30	80	21	19	15	46	20	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Mycobacteriaceae; Mycobacterium
Otu2768	1	0	1	1	1	2	1	1	1	0	5	1	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu531	6	12	20	25	17	27	11	12	21	11	20	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu471	22	23	28	23	15	17	14	27	43	18	25	18	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu470	25	12	9	5	12	6	6	5	4	13	16	12	Bacteria; Acidobacteria; Acidobacteria-5
Otu473	70	18	13	15	18	4	16	3	5	6	16	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu472	26	5	3	1	1	1	5	2	8	2	2	3	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu475	13	12	24	11	9	9	8	1	1	8	12	3	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu474	17	16	16	10	8	5	6	2	7	2	26	3	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae
Otu477	31	19	12	45	20	40	10	2	39	23	38	7	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae; Dechloromonas
Otu476	56	12	7	5	3	2	3	0	0	3	9	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; mb2424
Otu479	9	10	12	14	9	9	36	8	15	11	15	15	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu478	44	29	16	30	10	39	20	21	38	22	28	32	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1158	3	2	1	2	6	0	3	0	0	0	6	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu1159	3	1	1	4	1	1	3	1	2	0	8	1	Bacteria; Chloroflexi; C0119
Otu1150	1	0	0	1	2	1	1	0	6	1	0	51	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1151	8	2	2	1	2	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu1152	14	6	4	4	7	5	11	2	2	16	3	4	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu1153	203	121	83	145	81	107	131	122	175	170	168	119	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu1154	7	2	4	3	3	3	11	1	1	3	16	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae
Otu1155	1	3	4	2	1	3	6	0	1	8	5	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu1156	1	7	2	3	6	2	5	2	1	1	8	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1157	49	19	16	23	21	16	29	11	22	12	46	8	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu619	11	12	5	14	5	14	6	14	13	18	11	14	Bacteria; Acidobacteria; Acidobacteria-5
Otu618	9	1	2	16	2	1	5	4	7	11	11	15	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2492	3	6	2	1	8	3	1	0	1	0	1	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2493	0	1	1	4	1	0	0	0	0	2	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2494	0	0	0	0	0	0	0	0	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu2495	0	0	0	2	1	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2496	0	0	0	3	1	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2497	3	5	12	10	6	5	6	2	12	9	12	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu611	21	3	0	3	5	2	5	2	7	0	5	3	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu610	18	8	2	2	5	0	6	1	1	0	2	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu613	2	3	10	8	3	9	20	2	8	23	6	7	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu612	9	16	3	6	0	1	10	0	0	17	21	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu615	0	1	4	3	0	3	3	5	4	7	0	28	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Pseudonocardiaceae; Amycolatopsis
Otu614	17	4	7	25	7	10	11	8	9	22	12	4	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu617	14	2	3	12	0	3	7	11	9	11	3	7	Bacteria; WPS-2
Otu616	10	18	4	10	8	2	6	1	3	2	9	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3206	2	0	0	2	1	1	3	2	1	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu279	3	0	4	11	2	0	0	7	4	49	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu278	104	30	18	29	16	15	14	15	6	28	28	14	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu273	13	4	10	29	12	10	16	17	27	51	20	31	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales
Otu272	23	10	20	34	9	33	61	58	46	21	45	18	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu271	68	14	15	26	13	24	24	22	27	21	36	13	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu270	25	6	28	27	30	24	8	3	12	75	28	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu277	48	39	34	20	14	19	37	41	48	44	31	36	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu276	10	3	8	46	5	9	16	15	21	10	5	16	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu275	34	15	30	46	24	13	38	5	9	46	30	10	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu274	31	14	43	62	16	42	94	58	53	83	48	60	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae
Otu105	114	45	69	128	69	100	80	89	59	160	99	62	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu104	273	81	80	155	76	79	149	104	98	128	144	61	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu107	149	64	75	82	42	99	57	46	77	79	52	27	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu106	949	358	371	470	387	181	571	234	255	519	576	293	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae; Methylibium
Otu101	271	114	88	269	100	155	163	97	84	217	157	78	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu100	84	23	66	146	37	46	87	56	72	121	98	76	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu103	133	57	77	124	29	105	221	108	164	186	104	117	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu102	125	68	29	41	20	45	33	21	8	41	61	26	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Luteimonas
Otu1842	16	11	14	15	17	10	11	6	4	50	23	13	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1843	3	1	0	0	1	0	0	0	0	0	0	0	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu1840	0	3	0	0	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; TA18; CV90
Otu1841	0	0	0	0	0	0	3	1	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu109	105	70	51	102	61	66	84	53	64	77	102	66	Bacteria; Gemmatimonadetes; Gemm-1
Otu108	221	72	111	222	62	110	188	175	168	173	159	144	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu1844	0	0	0	0	0	0	0	0	4	2	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1845	3	8	3	2	3	0	4	0	2	4	3	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu295	46	20	17	36	18	34	42	29	18	27	15	12	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu294	23	9	5	21	5	13	89	46	41	14	11	18	Bacteria; Proteobacteria; Gammaproteobacteria
Otu297	34	15	11	40	77	51	6	13	34	21	31	43	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae; Chromobacterium
Otu296	5	0	8	17	4	20	7	13	43	2	2	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu291	37	22	23	46	14	31	50	32	38	33	33	31	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu290	26	12	40	21	13	5	54	15	23	15	34	12	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu293	18	4	25	49	12	14	38	27	16	56	22	25	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu292	14	11	23	28	22	9	43	23	31	31	54	26	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2384	1	0	0	0	1	0	2	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales; Parachlamydiaceae
Otu2385	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria
Otu2386	0	4	1	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2292	0	0	0	1	0	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu299	1	11	18	20	6	46	17	16	30	18	21	18	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu298	45	6	11	24	9	41	24	11	24	15	16	9	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu2382	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2383	3	0	0	0	2	0	1	2	1	2	1	0	Bacteria; OD1; SM2F11
Otu3017	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu3016	0	0	0	1	1	0	0	3	0	0	1	1	Bacteria; OD1; ZB2
Otu3015	5	5	4	5	9	2	1	1	4	7	5	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3014	3	2	1	0	3	2	1	1	1	0	8	1	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu3013	2	0	1	1	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria
Otu2610	0	0	0	3	0	0	0	1	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2548	0	0	1	1	0	3	0	0	0	0	2	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2549	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2546	0	0	0	0	2	1	0	1	0	0	1	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptococcaceae; Pelotomaculum
Otu2547	0	0	2	0	0	0	0	4	1	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; KD8-87
Otu2544	0	0	0	4	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2545	0	2	4	2	0	2	6	4	3	0	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Actinosynnemataceae
Otu2542	3	0	1	0	1	0	3	0	0	3	3	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2543	0	0	1	1	0	0	0	0	2	0	0	1	Bacteria; TM6; SBRH58

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2540	15	16	7	16	4	6	14	19	13	14	13	10	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu2541	3	0	4	2	1	4	3	2	1	1	5	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu325	46	6	14	43	4	18	34	39	38	45	20	38	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu3363	3	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Luteolibacter
Otu324	1	3	0	2	0	38	6	0	0	0	38	1	Bacteria; Cyanobacteria; Oscillatoriothycidae; Oscillatoriales; Phormidiaceae; Phormidium
Otu1926	5	0	1	2	0	3	2	2	1	2	1	3	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu327	17	7	19	25	6	36	16	26	26	14	13	13	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1936	0	0	0	0	0	0	0	1	0	0	0	3	Bacteria; Proteobacteria
Otu1937	0	1	0	5	0	2	0	2	1	3	2	4	Bacteria
Otu1934	0	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; SJA-101
Otu326	0	0	0	0	0	0	0	0	1	14	0	37	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu1932	0	3	0	2	0	0	1	1	0	1	1	2	Bacteria; Bacteroidetes
Otu1933	0	1	0	2	0	2	1	2	1	2	0	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1930	2	1	0	2	1	0	3	0	1	2	1	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1931	5	1	1	0	0	0	0	0	0	0	0	0	Bacteria; Chlorobi; OPB56
Otu321	19	11	24	55	11	42	50	65	50	40	37	49	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1938	1	3	2	4	3	1	8	5	2	3	2	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; auto67_4W
Otu320	28	33	74	26	4	8	84	21	9	19	10	36	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu3378	2	2	1	1	1	0	0	0	0	1	1	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu3379	2	2	0	0	0	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu323	9	45	6	6	7	2	10	4	8	7	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3372	0	0	0	0	0	1	1	1	3	0	2	2	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacterales; Ktedonobacteraceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3373	0	0	2	1	1	0	1	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Actinospicaceae
Otu3370	0	0	0	1	0	0	2	1	0	1	1	0	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae
Otu322	114	62	47	75	32	48	52	66	46	57	59	56	Bacteria; Verrucomicrobia; Opitutae; Opitutaes; Opitutaceae; Opitutus
Otu3376	5	1	3	3	2	7	5	8	6	0	3	5	Bacteria; Verrucomicrobia; Opitutae; Opitutaes; Opitutaceae; Opitutus
Otu3377	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3374	4	1	2	10	0	2	4	0	5	2	2	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae; Microbacterium
Otu3375	2	0	1	0	3	1	0	0	0	1	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3178	0	1	0	1	2	0	0	0	0	0	0	1	Bacteria; OD1; ZB2
Otu3169	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu859	13	4	5	12	2	11	10	5	8	6	8	9	Bacteria; Planctomycetes; BD7-11
Otu858	11	3	1	1	1	2	0	1	3	3	3	1	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu856	3	3	2	3	2	5	4	1	3	2	9	0	Bacteria
Otu855	4	3	5	5	0	0	6	12	6	9	2	5	Bacteria
Otu854	16	3	6	1	5	2	1	0	0	4	8	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu853	3	0	7	6	1	4	6	3	7	11	8	6	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu852	5	6	3	3	12	2	3	2	3	3	3	0	Bacteria; Chloroflexi; Anaerolineae; Anaerolineales; Anaerolinaceae; Anaerolinea
Otu851	10	16	5	6	5	11	7	7	0	4	13	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu850	20	13	18	24	15	10	16	12	13	7	16	6	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3167	0	1	0	1	0	2	0	0	0	1	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3166	4	0	0	1	0	0	0	0	0	0	1	0	Bacteria; TM7; SC3
Otu2859	0	1	2	2	0	1	3	2	4	1	4	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1622	7	8	0	1	0	0	6	0	0	0	3	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1623	5	0	2	0	1	0	2	0	0	0	1	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; C111
Otu1620	0	0	0	4	1	0	0	0	0	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1621	0	0	0	0	2	0	0	1	1	1	4	3	Bacteria; OD1; ZB2
Otu1626	6	5	9	1	3	1	2	5	0	2	2	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1627	1	0	0	6	2	4	7	5	14	7	4	17	Bacteria; OD1; SM2F11
Otu1624	0	0	2	6	1	1	0	0	1	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1625	20	14	13	12	8	11	2	5	13	12	17	6	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu2155	0	0	0	2	0	1	3	0	0	5	5	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2154	6	2	0	0	2	2	0	0	0	1	4	1	Bacteria; Actinobacteria; Rubrobacteria; Rubrobacterales; Rubrobacteraceae
Otu1628	3	0	1	2	1	0	0	0	1	1	4	2	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales
Otu1629	0	6	2	1	1	3	1	2	1	0	6	0	Bacteria; Chloroflexi; Ktedonobacteria
Otu2151	1	0	0	0	1	0	0	0	0	7	0	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2150	0	0	0	0	3	0	0	0	0	3	0	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2153	0	2	2	0	0	0	2	5	6	3	0	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2152	1	2	3	3	2	7	3	1	4	1	2	1	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu2498	1	1	3	0	1	2	3	0	1	3	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2455	2	0	0	2	0	0	0	0	0	0	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Aurantimonadaceae
Otu2499	0	0	2	2	0	1	0	0	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu3371	0	0	0	1	0	0	0	0	0	0	2	0	Bacteria
Otu2029	57	17	27	29	13	23	30	14	20	21	34	16	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu2028	7	3	4	7	3	10	5	3	7	8	6	5	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1718	0	3	1	0	2	0	0	0	0	0	1	0	Bacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1719	11	9	7	12	11	5	20	5	11	15	20	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1716	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu1717	1	1	0	1	0	0	4	1	1	2	1	0	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Terribacillus
Otu1714	1	0	0	0	1	0	1	0	1	0	3	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu1715	5	1	5	3	4	2	1	0	0	1	6	0	Bacteria; Planctomycetes; Planctomycetia; B97
Otu1712	1	3	2	4	0	1	5	1	0	2	2	2	Bacteria; Firmicutes; Clostridia; OPB54
Otu1713	0	0	0	0	0	0	3	2	0	3	0	1	Bacteria
Otu1710	0	0	0	0	0	0	0	1	0	0	0	4	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1711	0	0	1	2	4	0	2	0	2	1	0	0	Bacteria
Otu3394	0	0	1	1	0	0	2	0	2	1	1	1	Bacteria; TM6; SJA-4
Otu3395	1	0	2	0	0	0	1	2	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3396	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu3397	5	4	1	1	1	0	3	0	1	1	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3390	0	0	0	1	0	0	0	1	0	2	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu3391	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu3392	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu3393	1	0	0	0	1	0	1	0	0	0	2	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3398	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria
Otu3399	0	0	0	0	0	3	0	0	0	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1433	5	4	4	2	2	1	0	1	1	6	1	2	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae
Otu1432	2	2	6	0	0	3	5	0	0	1	5	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Acanthamoeba; Acanthamoeba_palestinensis
Otu1431	0	0	1	2	0	0	4	0	1	0	1	0	Bacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1430	4	2	2	0	0	0	0	0	0	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu1437	12	3	2	9	4	0	8	11	8	3	1	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1436	5	0	5	3	1	1	1	0	0	2	7	2	Bacteria; Actinobacteria; MB-A2-108; 0319-7L14
Otu1435	4	0	3	0	2	2	3	3	3	1	6	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1434	0	1	1	3	1	3	5	0	2	2	4	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1439	8	5	1	3	4	0	2	0	0	1	6	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1438	1	0	0	3	2	6	0	1	4	2	5	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1121	7	6	4	2	2	3	8	4	5	1	10	3	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1120	6	1	2	1	0	0	0	0	1	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2849	10	6	11	11	4	12	11	15	14	11	11	20	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu2848	0	0	0	2	0	0	1	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3407	0	1	0	0	0	0	2	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2843	2	0	0	1	1	0	1	0	0	0	1	2	Bacteria; OP11; OP11-3
Otu2842	6	4	14	12	11	5	29	6	27	13	16	11	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu2841	2	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu2847	3	1	3	4	0	1	4	5	7	4	7	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2846	2	0	1	1	0	2	2	0	1	2	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu2845	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu2844	0	0	0	1	0	0	2	1	3	1	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu400	25	10	15	35	11	13	12	2	11	13	22	8	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1389	6	1	1	0	0	1	2	0	0	2	1	0	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu1388	2	5	4	6	0	6	6	4	10	0	8	2	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu401	16	1	2	9	3	32	1	0	3	3	33	0	Bacteria; Cyanobacteria; Oscillatoriothricaceae; Oscillatoriales; Phormidiaceae; Phormidium
Otu1385	0	1	3	1	0	1	0	6	4	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1384	0	2	1	1	1	3	3	2	0	3	8	1	Bacteria; Proteobacteria; Deltaproteobacteria; Entotheonellales; Entotheonellaceae
Otu1387	6	9	6	0	9	3	10	1	1	0	8	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Kineosporiaceae
Otu1386	9	4	2	5	2	7	8	7	7	4	4	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1381	4	2	6	5	0	2	11	1	1	4	2	2	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu1380	53	57	44	24	42	17	23	9	23	33	43	14	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu1383	8	2	4	3	0	0	3	2	2	1	3	2	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1382	0	0	1	5	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Siphonobacter; Siphonobacter_aquaclararum
Otu2160	0	0	0	0	1	0	1	0	0	0	3	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1549	0	0	3	1	2	2	0	6	4	1	0	0	Bacteria; WPS-2
Otu1548	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1547	6	2	7	15	1	9	7	10	13	10	10	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1546	0	6	10	1	1	1	2	0	0	4	5	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Actinoplanes
Otu1545	6	0	1	1	3	2	3	1	0	1	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1544	0	0	0	1	1	1	4	1	1	2	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1543	0	0	3	1	1	2	1	0	1	1	4	1	Bacteria
Otu1542	0	1	1	0	6	1	2	4	3	6	3	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1541	3	4	6	6	4	4	5	2	3	9	9	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1540	1	1	2	1	0	1	1	1	2	1	8	2	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu1554	6	4	1	4	2	0	1	3	2	3	3	0	Bacteria; TM7; SC3
Otu2163	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Alphaproteobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1555	4	0	0	1	1	0	0	1	5	0	0	0	Bacteria; Armatimonadetes; OPB50
Otu2164	0	0	0	0	0	0	0	0	0	1	2	5	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2738	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu1556	16	0	6	6	2	1	12	0	1	3	8	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu2165	1	2	4	2	2	2	7	1	4	3	4	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu149	20	20	7	28	11	7	20	18	15	85	26	29	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1557	0	0	0	0	0	0	0	0	1	0	6	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales
Otu2166	3	2	2	0	0	0	3	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu148	113	59	50	88	37	44	85	66	48	117	100	38	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1550	0	8	0	0	0	1	0	0	0	3	1	1	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1632	0	2	1	5	2	2	1	2	1	0	1	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1498	0	1	3	4	1	2	4	2	0	1	8	2	Bacteria; Cyanobacteria; Chloroplast; Chlorophyta
Otu1552	5	4	6	3	3	4	9	0	3	4	5	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Frankiaceae
Otu888	8	13	13	20	14	15	19	8	13	7	21	8	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1553	1	0	2	0	0	1	2	4	2	0	0	2	Bacteria; Armatimonadetes; 0319-6E2
Otu889	2	8	2	0	2	0	4	0	0	1	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Entotheonellales; Entotheonellaceae
Otu1099	0	1	0	0	0	0	0	6	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1098	3	12	5	2	3	0	3	1	0	3	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu1091	10	5	10	12	6	17	14	12	20	5	7	5	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1090	12	1	3	2	0	1	1	1	1	5	3	1	Bacteria; Armatimonadetes; 0319-6E2
Otu1093	0	2	2	7	0	0	0	1	0	3	1	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu1092	0	0	3	2	0	8	6	2	2	7	0	4	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1095	6	2	2	2	1	2	7	2	1	2	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1094	5	4	3	0	2	2	2	4	2	5	2	9	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1097	1	0	4	6	1	3	5	4	3	7	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1096	1	4	4	12	1	2	3	3	13	5	4	1	Bacteria; Proteobacteria; Deltaproteobacteria; Spirobacillales
Otu668	36	8	20	30	14	26	25	18	24	42	28	10	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu669	13	6	17	7	4	4	13	7	10	6	15	7	Bacteria; Proteobacteria
Otu2713	0	0	1	0	0	0	3	0	0	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae
Otu2712	10	18	27	22	19	29	48	36	31	19	36	20	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu598	18	6	5	22	8	15	20	19	17	13	16	23	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu599	0	0	20	0	4	0	0	0	1	3	0	0	Bacteria; Bacteroidetes
Otu2717	6	0	0	2	2	1	0	1	1	1	2	3	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2716	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria
Otu2715	2	3	0	1	1	0	2	0	1	2	2	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2714	2	0	0	3	3	1	3	0	2	1	2	2	Bacteria; TM7; TM7-1
Otu592	15	7	11	15	3	10	18	12	10	5	18	5	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu593	11	13	1	3	2	2	1	1	9	21	3	1	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae
Otu590	22	9	0	1	4	3	4	5	5	2	2	4	Bacteria; Proteobacteria; Betaproteobacteria
Otu591	0	0	0	0	0	0	0	0	1	14	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiae; Candidatus_Rhabdochlamydia
Otu596	0	4	0	19	2	0	9	0	0	1	2	3	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Cytophaga
Otu597	26	5	2	2	6	9	2	1	2	2	8	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu594	7	2	2	16	1	1	0	0	0	12	3	2	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium; Flavobacterium_columnare
Otu144	146	98	101	201	85	207	83	125	182	117	191	134	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Elin515

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu147	49	18	35	88	23	93	66	85	84	70	41	70	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu146	135	82	47	79	38	33	53	7	18	179	104	25	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu1165	48	25	40	33	13	13	25	15	20	50	21	34	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1164	1	2	0	1	0	1	7	0	0	1	1	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1167	11	1	1	6	1	3	2	1	1	4	4	4	Bacteria; Planctomycetes; Phycisphaerae; CPIa-3
Otu1166	0	0	0	1	0	0	0	0	0	0	11	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Larkinella
Otu1161	40	28	5	9	2	1	3	5	0	9	6	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1160	3	1	0	8	4	4	2	1	1	5	10	1	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae; Leptolyngbya
Otu1163	10	0	2	5	2	3	3	3	5	7	3	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1162	0	0	3	7	1	10	4	0	0	1	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu444	28	3	1	2	1	3	8	12	12	9	3	9	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu445	16	27	18	27	31	49	24	19	23	19	25	14	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu446	17	5	21	38	6	39	12	43	42	24	15	24	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu447	43	9	9	12	14	15	23	11	7	22	25	27	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1169	6	4	4	7	5	3	8	3	9	7	7	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu1168	2	2	9	4	1	1	14	3	5	2	9	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu442	27	16	19	18	14	10	15	9	18	33	10	9	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu443	13	5	2	29	9	6	15	20	28	19	13	15	Bacteria; Chlorobi
Otu1367	0	1	0	0	1	0	0	0	5	0	0	2	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu1366	1	0	0	5	2	2	1	1	2	0	4	1	Bacteria; Cyanobacteria
Otu1365	1	2	1	0	0	2	1	0	1	1	1	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1364	4	4	3	6	3	13	8	7	9	3	4	3	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1363	3	5	4	2	2	3	4	9	3	4	6	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1362	9	3	0	2	2	2	1	0	2	1	3	0	Bacteria
Otu1361	0	0	0	0	0	0	1	0	0	0	9	0	Bacteria; Cyanobacteria; Nostocophycidae; Nostocales; Nostocaceae
Otu1360	4	2	3	10	1	8	2	4	12	5	1	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1369	3	2	1	0	1	1	0	1	1	0	6	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu1368	4	3	10	9	9	2	4	6	8	1	9	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2458	0	1	0	2	0	1	1	0	1	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2629	4	0	2	3	0	5	2	3	6	8	1	4	Bacteria; Chlorobi
Otu2628	0	0	2	1	0	2	0	2	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu2627	1	2	2	1	0	1	3	0	1	0	2	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales; AKIW874
Otu2626	1	3	4	2	3	0	4	4	1	3	8	3	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu2625	1	0	0	0	1	3	1	0	1	1	2	1	Bacteria; Cyanobacteria; ML635J-21
Otu2624	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae
Otu2623	0	0	3	0	0	0	5	0	1	1	0	0	Bacteria
Otu2622	0	3	1	2	1	1	1	1	1	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2621	0	1	0	1	0	2	2	0	0	1	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2459	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu130	36	84	57	35	94	30	40	17	20	23	94	14	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu131	48	63	66	72	81	80	36	35	33	59	92	35	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu132	185	44	52	120	48	59	42	34	29	111	108	46	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu133	267	142	123	215	187	127	186	118	56	304	247	86	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu134	4	12	44	24	19	48	109	11	20	32	112	26	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_cereus

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu135	47	7	28	49	8	68	58	102	78	82	48	111	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu136	17	33	23	72	14	29	93	89	59	26	70	29	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu137	124	16	34	31	12	27	18	11	17	32	12	35	Bacteria; Proteobacteria; Gammaproteobacteria
Otu138	35	24	19	88	12	43	36	84	26	79	32	74	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu139	37	15	45	108	22	119	109	162	170	131	72	140	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu918	4	0	2	2	1	10	1	0	0	1	1	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu919	17	6	1	0	2	10	0	2	2	5	7	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu916	4	0	10	10	3	2	12	2	3	4	15	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu917	1	10	0	0	2	0	0	0	0	0	10	0	Bacteria; TM7; SC3
Otu914	12	7	7	4	9	5	2	2	4	0	14	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu915	5	2	2	8	0	1	4	1	11	14	4	3	Bacteria; Proteobacteria; Alphaproteobacteria
Otu912	22	11	12	7	9	5	21	5	6	5	17	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu913	0	0	1	0	1	0	1	0	7	10	0	0	Bacteria; Cyanobacteria; 4C0d-2; SM1D11
Otu910	2	0	0	10	4	3	1	4	4	0	2	2	Bacteria
Otu911	14	3	7	9	0	7	19	16	9	7	4	6	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3004	0	0	0	0	0	0	0	0	4	0	0	0	Bacteria; OD1; ZB2
Otu3005	0	92	0	0	0	0	9	4	0	1	0	5	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium; Flavobacterium_succinicans
Otu2539	3	3	3	5	2	16	8	10	11	6	8	13	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2538	0	0	0	3	0	0	0	1	0	1	0	0	Bacteria
Otu3000	0	3	0	1	0	0	0	0	0	2	1	0	Bacteria; OD1
Otu3001	2	1	1	0	0	0	1	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3002	0	0	0	1	0	0	2	0	0	1	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3003	0	0	0	0	0	0	0	0	1	2	1	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2533	2	0	1	1	3	1	2	0	0	1	2	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2532	0	2	0	0	1	0	0	0	0	0	0	0	Bacteria
Otu2531	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2530	0	2	0	0	0	0	1	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2537	2	0	0	2	0	0	1	0	1	2	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; Alteromonadaceae; Cellvibrio
Otu2536	2	1	2	0	1	0	2	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu2535	0	0	0	0	0	0	2	0	2	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu2534	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu624	5	24	13	16	15	25	39	12	10	17	40	11	Bacteria; Firmicutes; Bacilli; Bacillales; Planococcaceae
Otu625	2	2	1	3	2	5	4	12	0	5	3	1	Bacteria; TM6; SJA-4
Otu626	15	2	4	2	2	1	2	1	2	1	3	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu620	0	0	1	1	0	14	2	2	11	7	2	11	Bacteria; Chloroflexi; Ktedonobacteria
Otu621	14	5	9	5	4	2	18	5	8	2	11	3	Bacteria; Chloroflexi; C0119
Otu622	3	16	14	12	11	8	5	0	2	9	10	7	Bacteria; Chlorobi
Otu623	2	1	2	6	3	5	4	8	11	19	5	11	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu2480	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu628	15	2	6	6	5	3	11	4	2	2	12	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacteriales; Syntrophobacteraceae
Otu629	16	5	1	6	2	1	6	1	5	5	7	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1943	0	0	0	2	0	0	3	1	2	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1942	2	0	3	6	0	1	4	1	0	3	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1941	1	0	1	0	0	1	4	0	2	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1940	3	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga
Otu1947	3	0	0	0	1	1	2	0	1	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu1946	3	1	1	1	1	1	4	0	0	1	3	1	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1945	1	1	1	0	0	1	0	0	0	0	4	1	Bacteria; Cyanobacteria; ML635J-21
Otu1944	8	0	4	2	4	5	0	0	0	1	4	3	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1949	1	4	5	10	3	2	10	5	5	7	6	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1948	3	0	1	2	4	0	0	0	0	2	1	2	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2447	0	0	0	1	1	2	0	3	1	0	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu242	70	28	44	66	23	39	35	28	35	43	44	35	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu828	8	13	9	4	11	5	2	1	3	0	4	5	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae
Otu829	12	4	6	17	5	3	2	0	0	11	26	5	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2443	2	1	2	3	0	2	1	1	1	1	0	0	Bacteria
Otu2442	1	0	1	0	0	0	2	0	3	0	2	1	Bacteria
Otu2441	3	1	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; SHA-31
Otu243	29	6	41	32	21	30	48	20	23	18	37	12	Bacteria; Chloroflexi; C0119
Otu822	9	5	14	12	6	11	11	2	5	1	4	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu823	0	0	1	2	0	1	2	0	0	10	0	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu820	4	17	18	13	12	8	10	5	15	7	4	6	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Prostheco bacter
Otu821	14	3	11	12	6	6	17	2	3	4	13	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu826	15	3	2	7	3	1	7	3	4	3	1	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu827	0	0	1	7	1	1	0	0	10	1	9	0	Bacteria; Proteobacteria; TA18; CV90
Otu824	2	2	9	2	7	3	2	1	2	2	4	0	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu825	10	1	1	4	3	3	3	1	2	7	7	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu241	60	120	44	33	24	25	42	21	28	83	37	40	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Niastella
Otu246	139	278	527	298	155	144	250	476	281	219	148	431	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu3428	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu247	56	2	7	8	2	10	5	4	8	3	3	3	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales
Otu244	1	3	8	9	3	1	69	2	3	2	4	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Xanthobacteraceae; Labrys
Otu245	7	24	24	42	24	51	25	51	49	7	26	22	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu2148	1	0	0	2	1	0	1	0	0	0	4	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2149	0	3	0	0	0	0	0	0	2	0	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodobacterales; Hyphomonadaceae
Otu2142	0	2	0	1	0	3	0	1	1	0	1	0	Bacteria
Otu2143	3	4	0	5	2	3	1	1	1	1	1	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2140	9	7	6	2	3	6	10	1	0	1	7	1	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu2141	14	0	3	4	4	13	5	6	5	10	12	6	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2146	3	0	0	0	1	0	0	1	3	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2147	4	2	3	1	1	1	1	0	1	4	1	1	Bacteria; Planctomycetes; Phycisphaerae; Phycisphaerales; Phycisphaeraceae
Otu2144	1	0	2	0	2	1	0	0	0	0	6	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2145	0	0	3	0	1	1	10	3	1	4	2	3	Bacteria; Firmicutes; Bacilli; Bacillales
Otu1891	4	0	0	0	0	1	0	0	0	0	0	0	Bacteria; Cyanobacteria; Synechococcophycideae; Pseudanabaenales; Pseudanabaenaceae; Leptolyngbya
Otu1890	0	0	0	3	0	0	0	1	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1893	0	0	0	3	1	0	0	0	0	0	1	0	Bacteria; TM6; SJA-4
Otu1892	0	1	1	3	1	1	1	0	1	1	3	1	Bacteria; Firmicutes; Bacilli; Bacillales; Alicyclobacillaceae; Alicyclobacillus
Otu1895	1	0	0	0	0	0	1	1	0	0	3	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1894	0	0	0	0	0	0	0	0	3	0	0	1	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1897	6	1	3	2	1	2	6	1	2	2	6	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1896	0	0	0	0	0	0	0	0	5	0	0	0	Bacteria; Actinobacteria
Otu1899	0	0	0	1	0	0	0	0	0	1	7	0	Bacteria; ODI; SM2F11
Otu1898	1	5	0	1	0	1	1	0	0	1	0	1	Bacteria; Planctomycetes; OM190; agg27
Otu3365	0	5	1	0	0	0	0	1	0	0	0	1	Bacteria; Acidobacteria; PAUC37f
Otu2036	1	2	1	0	0	1	0	1	3	0	1	0	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu2037	6	1	0	1	0	2	1	2	3	5	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2034	2	2	2	0	1	0	2	0	0	0	3	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2035	105	73	167	201	62	334	325	336	298	330	185	414	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu2032	3	1	0	1	1	0	0	0	0	0	0	1	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu2033	5	1	4	7	7	12	0	0	3	1	7	0	Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales; Geobacteraceae; Geobacter
Otu2030	3	0	1	1	0	0	1	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemm-1
Otu2031	3	1	3	0	0	3	2	0	0	0	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2038	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2039	3	7	1	0	2	1	0	0	0	0	0	5	Bacteria; WS3; PRR-12; Sediment-1; PRR-10
Otu1769	0	0	0	0	0	0	0	0	1	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae
Otu1768	2	0	0	1	0	5	5	1	1	1	0	3	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2446	0	0	3	1	1	3	4	1	2	1	1	3	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Mycobacteriaceae; Mycobacterium; Mycobacterium_celatum
Otu1763	4	0	0	0	2	0	3	0	0	0	3	0	Bacteria
Otu1762	0	0	0	3	1	0	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Parachlamydiaceae
Otu1761	0	3	0	1	0	0	0	0	0	0	0	6	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1760	0	0	0	0	0	0	4	0	0	0	0	0	Bacteria; Verrucomicrobia; Verrucomicrobiae; Verrucomicrobiales; Verrucomicrobiaceae; Prostheco bacter; Prostheco bacter_debontii
Otu1767	0	0	1	0	0	3	0	1	2	1	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1766	2	5	3	0	3	1	0	0	0	1	4	0	Bacteria; Bacteroidetes
Otu1765	0	0	0	3	4	1	0	0	0	0	1	0	Bacteria
Otu1764	0	0	0	0	1	0	0	1	0	3	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu2445	0	0	0	0	0	2	0	0	0	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales
Otu3366	2	2	0	3	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu1420	1	0	3	0	1	0	0	0	0	1	4	0	Bacteria; Chloroflexi; Anaerolineae; A31; S47
Otu1421	12	4	6	5	5	0	2	1	1	5	15	1	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu1422	0	4	1	1	1	0	0	3	0	6	1	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1423	6	2	0	1	1	1	0	1	4	0	3	0	Bacteria; Proteobacteria; Betaproteobacteria; MND1
Otu1424	3	1	4	3	0	0	5	5	5	3	15	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu1425	4	1	1	4	2	4	3	0	1	9	4	3	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1426	0	0	0	5	2	1	0	0	2	6	1	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1427	1	3	2	7	7	4	5	3	9	1	2	4	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1428	0	1	2	5	0	2	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu1429	0	3	3	3	0	6	2	6	10	11	3	5	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2019	4	0	2	2	4	2	2	0	1	2	1	3	Bacteria; Armatimonadetes; OPB50
Otu3130	0	0	0	0	0	0	0	0	0	1	0	2	Bacteria; Elusimicrobia; Elusimicrobia; Iib
Otu3131	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu3361	0	0	1	0	0	1	0	4	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraeaceae
Otu3132	1	2	0	0	0	0	0	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2014	0	1	1	1	1	3	1	1	8	4	4	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2376	0	2	0	0	1	1	4	0	0	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2015	1	0	0	6	0	1	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3134	3	0	1	0	0	0	4	1	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Entotheonellales; Entotheonellaceae
Otu3135	0	2	2	2	1	1	1	0	2	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2858	0	0	1	2	0	0	0	0	0	2	0	0	Bacteria
Otu2700	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3136	1	0	0	2	1	1	2	2	2	2	0	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2701	3	1	0	1	0	0	0	1	1	0	0	0	Bacteria; AD3; JG37-AG-4
Otu2850	2	0	2	1	1	0	2	1	1	0	1	0	Bacteria
Otu2851	5	0	0	1	1	2	0	1	2	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2852	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2853	2	1	1	3	2	0	3	0	0	0	1	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu2854	2	2	0	0	0	0	1	0	2	2	1	0	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; EB1017
Otu2855	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria
Otu2856	2	1	1	4	1	0	0	0	2	1	2	1	Bacteria
Otu2857	0	0	0	0	1	0	3	0	0	0	0	0	Bacteria; Chloroflexi; Gitt-GS-136
Otu1398	1	0	1	2	3	1	2	0	0	0	4	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu1399	2	1	3	4	1	2	0	3	3	4	3	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1392	0	0	0	1	0	0	5	2	7	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1393	12	7	1	10	3	6	17	10	9	2	4	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1390	8	5	1	3	7	1	7	3	2	5	5	4	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1391	10	6	5	1	7	9	12	10	19	13	11	4	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Segetibacter
Otu1396	1	7	3	2	3	7	0	1	4	3	3	7	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1397	0	3	0	0	5	0	0	0	0	0	0	0	Bacteria; OD1; SM2F11
Otu1394	2	1	2	4	3	0	0	0	0	0	4	0	Bacteria; Planctomycetes; vadinHA49; p04_C01
Otu1395	5	0	2	2	1	0	2	0	4	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu29	39	19	41	22	21	15	290	12	21	318	22	20	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium
Otu25	670	304	356	658	267	394	555	548	473	464	496	372	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu27	263	124	219	339	114	355	320	368	334	555	285	446	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu26	335	110	218	365	191	93	303	76	115	302	314	60	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu21	64	106	321	61	15	99	546	52	240	64	4	106	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Chitinophaga
Otu20	650	342	543	609	194	383	721	881	661	645	529	501	Bacteria; Acidobacteria; Acidobacteria; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu23	316	142	356	178	204	136	600	142	218	243	192	198	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae; Bradyrhizobium
Otu22	969	733	585	680	590	167	321	184	177	407	794	228	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2708	0	0	0	3	0	0	1	2	1	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2709	0	1	0	1	1	0	0	4	0	0	1	0	Bacteria
Otu3382	0	0	1	0	0	0	0	0	0	0	2	0	Bacteria; OP3; PBS-25
Otu3115	1	3	4	5	5	4	0	3	1	1	5	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae; Anaeromyxobacter
Otu3362	0	0	0	0	0	2	0	0	0	0	1	1	Bacteria; Cyanobacteria
Otu1086	0	0	2	2	6	0	5	0	1	1	8	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Hymenobacter
Otu1087	20	27	4	2	16	0	4	2	2	3	6	5	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu1084	1	1	0	1	0	1	4	0	1	0	2	8	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Cytophaga
Otu1085	2	9	5	3	2	4	2	0	2	0	5	0	Bacteria; Chloroflexi; Anaerolineae; H39

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1082	0	19	2	0	8	3	0	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1083	0	0	1	0	0	4	3	4	1	5	0	7	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1080	9	4	2	11	7	1	2	0	1	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1081	2	1	1	8	0	8	5	8	9	3	3	3	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu2440	0	3	0	0	0	1	0	0	1	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1088	0	0	0	0	0	1	0	0	0	3	0	6	Bacteria; TM6; SBRH58
Otu1089	2	4	0	3	1	1	7	0	4	6	3	1	Bacteria; Acidobacteria; Chloracidobacteria; PK29
Otu2479	3	1	2	6	0	1	7	3	0	1	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu589	9	8	17	17	11	10	45	7	18	7	21	6	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Frankiaceae
Otu588	0	0	2	11	2	2	5	0	1	0	25	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubacteriales; Patulibacteraceae; Patulibacter
Otu2702	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu2703	2	2	2	1	0	2	0	1	4	0	1	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2704	0	0	1	2	0	0	0	1	1	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2705	3	2	1	1	2	0	0	1	0	1	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu2706	0	0	2	1	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu2707	6	1	5	6	1	4	6	2	5	4	8	7	Bacteria; Acidobacteria; Solibacteres; Solibacteriales
Otu581	3	0	11	12	4	6	14	2	7	7	12	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu580	4	19	15	10	27	6	8	5	10	3	28	2	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu583	9	28	37	30	17	20	35	18	32	22	40	20	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu582	0	0	0	0	0	0	0	0	0	16	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae
Otu585	4	3	2	11	4	2	7	6	21	19	12	5	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu584	14	5	5	5	7	3	6	2	3	7	22	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu587	9	6	17	3	1	20	16	3	7	7	3	4	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Alcaligenaceae; Achromobacter
Otu586	39	20	11	27	18	7	22	30	22	38	22	23	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1172	1	0	0	0	1	0	0	0	2	0	8	0	Bacteria; Proteobacteria; Betaproteobacteria; Procabacteriales; Procabacteriaceae
Otu1173	9	0	2	0	1	0	3	0	1	0	0	0	Bacteria; Chloroflexi; Thermomicrobia; JG30-KF-CM45
Otu1170	2	1	0	0	2	8	4	5	3	1	10	2	Bacteria; TM7; SC3
Otu458	71	59	41	33	36	42	75	31	47	32	63	26	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu1176	12	2	4	7	1	0	8	5	6	8	8	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1177	42	6	9	13	9	10	10	11	11	17	19	8	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1174	1	2	2	2	2	1	3	1	1	1	10	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1175	31	11	6	4	4	2	8	3	0	4	16	2	Bacteria; Acidobacteria; Chloracidobacteria; DS-100
Otu453	4	0	7	22	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria
Otu452	21	3	0	0	1	0	0	0	0	1	2	0	Bacteria; Gemmatimonadetes; Gemm-3
Otu451	0	0	0	4	0	24	1	0	0	2	1	6	Bacteria; Cyanobacteria
Otu450	14	4	8	15	11	12	4	9	13	9	29	14	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu457	20	9	7	23	11	12	18	10	29	12	15	6	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu456	32	21	9	13	6	3	2	2	4	8	4	8	Bacteria; Proteobacteria; Gammaproteobacteria; Thiotrichales; Piscirickettsiaceae
Otu455	16	20	18	18	7	14	33	21	25	12	29	4	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu454	18	28	4	30	1	0	5	6	8	28	6	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavihumibacter
Otu1374	2	2	0	1	0	2	7	0	0	0	1	1	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1375	15	7	8	1	3	5	0	2	1	2	3	6	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1376	0	4	6	2	3	0	14	4	2	0	0	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1377	4	1	0	9	0	2	1	0	1	2	1	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1370	5	2	12	20	13	6	9	4	12	14	8	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1371	14	15	2	3	8	0	4	2	0	1	5	3	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; 0319-6A21
Otu1372	4	3	4	7	0	4	7	5	6	7	10	15	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1373	4	6	3	4	3	3	4	0	0	5	9	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu1378	5	3	4	0	1	0	1	1	2	0	7	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1379	0	0	0	0	0	3	1	7	7	0	0	2	Bacteria; Gemmatimonadetes; Gemm-1
Otu1853	2	4	0	3	0	3	6	4	5	5	3	3	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu459	43	65	94	98	100	116	61	74	41	32	96	18	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu1171	2	0	0	8	3	0	1	0	0	1	1	0	Bacteria
Otu2638	2	1	2	2	2	2	2	1	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2639	2	1	2	0	1	0	1	0	1	0	1	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2634	2	0	0	0	0	0	0	0	0	1	0	1	Bacteria; TM7; TM7-1
Otu2635	3	0	2	1	0	0	1	5	2	1	0	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2636	0	0	0	0	0	0	0	1	0	2	0	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2637	0	0	0	0	4	0	0	3	0	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2630	0	0	2	0	1	2	0	1	0	0	2	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2631	0	2	1	4	0	0	2	1	3	2	1	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2632	0	2	0	1	0	3	1	1	1	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2633	2	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1529	1	3	1	8	4	3	1	1	2	8	1	2	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1178	13	1	2	9	2	1	4	2	6	3	5	3	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1528	0	4	0	1	0	0	1	0	0	0	0	1	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1179	6	1	7	0	3	3	1	2	1	3	5	1	Bacteria
Otu129	40	53	47	49	51	36	70	82	46	83	88	32	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu128	26	24	14	59	20	36	41	155	170	28	16	29	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu127	2	26	16	96	44	3	9	11	28	28	45	5	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu126	3	0	4	3	1	86	4	35	28	12	0	19	Bacteria; Acidobacteria; DA052; Ellin6513
Otu125	40	44	54	89	70	86	59	44	67	46	97	27	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu124	113	11	57	67	28	150	3	6	25	18	68	8	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu123	57	31	36	24	20	23	112	25	35	15	69	19	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu122	120	60	75	73	32	67	90	62	98	58	75	90	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu121	0	3	11	3	2	3	10	27	7	9	3	96	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu120	72	68	60	123	37	62	116	52	76	85	66	76	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Oxalobacteraceae
Otu909	8	5	14	10	5	8	31	13	7	12	13	9	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Microbacteriaceae; Cryocolla
Otu908	0	2	3	11	1	1	3	1	4	5	0	11	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu905	16	15	8	8	13	7	17	2	0	11	7	11	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu904	2	4	2	16	2	8	5	15	16	4	4	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu907	7	1	7	9	5	7	11	3	8	11	6	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu906	0	1	10	2	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu901	2	0	7	1	0	9	3	1	0	15	0	0	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium
Otu900	16	4	1	5	1	2	8	1	1	2	11	0	Bacteria; TM7; SC3
Otu903	2	15	0	1	2	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu902	5	1	4	7	3	6	10	5	4	4	12	5	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu2528	3	0	0	0	1	1	1	0	0	0	0	0	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Sporocytophaga

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2529	0	0	0	0	0	0	0	1	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3033	0	0	0	0	0	0	0	2	1	2	0	0	Bacteria
Otu1526	0	0	0	0	0	1	0	1	5	0	0	0	Bacteria; Proteobacteria
Otu3035	28	2	4	18	8	24	10	17	16	15	14	8	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3034	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3037	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3036	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu2520	0	0	0	3	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu2521	12	6	11	10	5	15	23	14	14	7	13	12	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2522	0	2	0	0	0	0	0	0	1	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu2449	2	1	1	2	2	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2524	3	0	0	0	0	0	0	0	0	1	1	0	Bacteria
Otu2525	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu2526	2	2	0	0	0	0	0	0	1	1	0	0	Bacteria
Otu2527	7	2	8	10	4	2	6	3	8	2	16	3	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu633	2	14	4	1	4	0	1	0	1	0	5	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu632	6	13	15	3	6	11	2	0	0	1	8	2	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu631	0	0	0	2	0	3	0	0	16	3	5	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu630	5	4	3	10	1	5	11	9	13	9	11	14	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu637	0	0	1	8	0	4	0	15	6	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu636	0	0	0	2	8	3	3	4	7	0	3	22	Bacteria; Acidobacteria; Holophagae; Holophagales; Holophagaceae
Otu635	0	4	7	17	3	25	11	11	15	9	11	18	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3151	2	0	1	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3158	0	0	0	0	0	0	1	0	1	2	0	1	Bacteria
Otu3159	0	0	1	1	2	0	0	3	2	2	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu839	20	3	7	12	7	7	6	6	8	21	7	6	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu838	25	9	3	8	2	1	2	2	1	1	2	0	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu2456	0	1	0	0	0	0	0	0	0	0	2	0	Bacteria; TM6; SBRH58
Otu2457	2	0	3	1	2	1	0	0	0	0	0	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2450	1	1	1	5	2	1	2	0	0	0	3	1	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; FW; 4-29
Otu2451	0	0	1	0	3	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2452	0	0	1	4	0	0	1	0	0	1	2	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2453	0	0	2	0	1	0	3	0	1	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Peptococcaceae; Desulfosporosinus; Desulfosporosinus_meridiei
Otu831	0	0	2	1	2	1	0	1	4	3	0	15	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Cytophaga
Otu830	8	4	1	12	5	8	8	12	27	21	5	16	Bacteria; Proteobacteria; Gammaproteobacteria
Otu833	0	1	2	2	7	13	0	0	4	2	3	4	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu832	15	7	3	1	7	0	3	1	2	5	12	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu835	21	27	15	30	21	4	18	4	18	11	20	14	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu834	29	28	26	26	20	34	21	21	17	37	32	20	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu837	10	3	3	0	2	0	1	0	0	2	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu836	12	3	6	30	9	9	12	6	17	25	20	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu3340	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Chloroflexi; Anaerolineae
Otu3252	5	2	1	7	2	10	15	3	6	3	19	8	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu3346	0	0	0	0	1	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3345	2	0	0	0	0	4	0	0	0	1	0	0	Bacteria
Otu3355	1	4	1	2	0	1	0	3	4	1	3	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu2663	0	1	3	0	1	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2212	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi
Otu2213	0	0	3	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylocystaceae; Pleomorphomonas
Otu2210	4	2	0	1	2	2	1	1	2	0	6	4	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2211	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1888	9	16	15	7	8	10	19	7	8	2	24	8	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu1889	0	0	1	2	2	0	0	0	1	0	4	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu1886	3	3	0	1	0	0	1	0	0	2	2	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu1887	3	1	2	0	0	0	1	0	0	0	1	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu1884	1	0	0	3	0	1	0	0	0	1	0	0	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1885	0	1	0	2	0	1	0	1	1	6	1	0	Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae
Otu1882	4	3	2	1	2	1	4	1	3	4	4	2	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu1883	8	4	8	5	2	4	6	7	17	2	3	8	Bacteria; TM7; TM7-1
Otu1880	0	1	1	0	1	1	0	0	5	0	0	0	Bacteria; Firmicutes; Bacilli; Bacillales; Staphylococcaceae; Staphylococcus
Otu1881	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; OD1; ZB2
Otu732	3	16	3	3	4	1	3	1	1	5	4	1	Bacteria; Chloroflexi; Anaerolineae; S0208
Otu2214	0	0	0	2	1	0	1	0	0	4	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu733	14	4	6	1	0	1	0	0	0	0	2	3	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae
Otu2215	1	0	4	3	1	1	2	3	3	1	1	1	Bacteria; Chlamydiae; Chlamydiai; Chlamydiales; Rhabdochlamydiae; Candidatus_Rhabdochlamydia
Otu730	53	15	21	60	20	22	32	21	37	47	33	20	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3185	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu731	1	4	3	15	5	6	0	0	3	1	15	3	Bacteria
Otu3184	0	0	1	1	1	3	0	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu736	7	16	16	11	2	2	7	7	4	3	4	7	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3187	0	0	2	0	1	0	0	0	0	0	1	0	Bacteria; TM6
Otu3123	0	0	1	2	0	0	1	0	1	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu737	11	4	0	2	1	0	0	1	2	1	2	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2043	1	0	0	2	0	0	0	3	0	0	1	0	Bacteria; OD1; SM2F11
Otu2042	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu2041	0	0	1	1	0	0	1	2	1	0	2	4	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2040	6	3	3	1	0	1	3	0	1	1	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu2047	0	0	0	0	3	1	0	0	0	1	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu734	3	0	2	7	5	10	0	2	0	0	7	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2045	0	1	1	0	2	1	1	0	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2044	4	3	2	6	4	0	1	1	1	2	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2069	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales; AKIW659
Otu3181	0	1	0	0	0	1	1	0	0	0	0	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Pythium; Pythium_ultimum
Otu2049	0	2	2	6	1	0	3	0	0	5	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu735	12	3	2	0	0	0	0	0	0	0	4	0	Bacteria; TM6; SJA-4
Otu3180	1	1	0	2	1	1	1	1	2	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1778	0	1	1	0	0	0	0	1	0	0	5	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1779	1	0	0	0	2	0	0	1	0	1	0	3	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2287	0	0	0	0	0	0	2	3	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2286	0	0	1	2	3	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2281	1	1	1	2	2	2	1	0	2	1	0	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Haliangiaceae
Otu2280	2	1	1	4	3	3	1	2	1	2	1	1	Bacteria; Armatimonadetes; 0319-6E2
Otu2283	0	0	2	0	0	0	0	0	0	3	0	0	Bacteria; Chlorobi; OPB56
Otu2282	2	0	0	2	0	0	1	4	2	2	2	3	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Siphonobacter; Siphonobacter_aquaclararum
Otu1770	0	2	0	0	0	1	3	1	0	0	0	1	Bacteria
Otu1772	2	0	1	2	0	2	0	1	0	4	3	2	Bacteria; Acidobacteria; Acidobacteria-5
Otu1773	4	0	0	1	0	0	3	0	2	1	1	1	Bacteria; Elusimicrobia; Elusimicrobia; IIb
Otu1774	4	1	1	3	1	0	0	0	2	0	5	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu1775	0	3	0	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1776	0	0	1	0	0	2	1	2	1	9	1	9	Bacteria; Chlamydiae; Chlamydia; Chlamydiales; Rhabdochlamydiaceae; Candidatus_Rhabdochlamydia
Otu1777	5	0	1	4	0	1	2	2	2	2	0	0	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales
Otu3359	0	0	0	1	0	0	4	1	0	1	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas; Stenotrophomonas_acidaminiphila
Otu2936	0	0	0	4	0	0	0	0	1	0	2	0	Bacteria; Proteobacteria
Otu2934	0	0	0	1	1	1	0	1	2	2	1	0	Bacteria; OD1; Mb-NB09
Otu1419	1	2	3	1	0	1	5	6	0	2	2	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1418	0	2	2	4	0	2	2	3	3	1	1	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu1415	2	0	0	6	1	2	4	4	1	1	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Isosphaeraceae
Otu1414	0	1	3	2	0	4	1	3	3	8	6	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1417	0	0	1	1	1	0	1	0	0	4	1	1	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1416	5	7	0	1	4	1	6	1	1	2	4	2	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; Pirellula

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1411	1	0	1	1	4	0	0	0	2	1	2	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Filimonas; Filimonas_lacunae
Otu1410	0	0	1	7	3	5	0	0	0	2	1	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu1413	6	4	2	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; iii1-8; DS-18
Otu1412	4	0	0	2	4	0	2	4	1	5	1	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2662	0	0	4	1	0	1	0	1	1	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2930	1	0	0	0	1	2	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2191	0	0	1	2	2	0	2	0	7	0	9	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2190	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria
Otu2193	0	0	0	1	3	4	0	0	0	0	0	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2192	3	3	1	0	1	3	1	0	0	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2195	0	1	0	2	0	1	4	0	0	0	1	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales
Otu2194	1	1	1	0	0	0	1	0	1	1	3	0	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales
Otu2197	4	2	0	2	0	3	4	4	1	2	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2196	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; envOPS12
Otu2199	0	1	1	0	0	3	0	0	0	0	1	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu2198	0	0	0	0	0	0	0	1	3	1	2	0	Bacteria; TM6; SJA-4
Otu2009	1	2	0	1	2	0	4	0	4	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2938	4	0	0	0	0	1	0	0	0	3	0	1	Bacteria; OD1; ZB2
Otu1569	5	5	5	8	2	1	4	1	4	9	2	8	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1568	0	1	7	4	1	0	0	0	0	3	5	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu38	26	29	30	49	24	10	170	8	44	409	21	169	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Flavobacteriaceae; Flavobacterium; Flavobacterium_succinicans
Otu39	397	149	73	91	73	63	63	56	60	70	95	43	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu36	66	155	67	89	63	56	77	20	11	18	288	47	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardioidaceae; Aeromicrobium
Otu37	20	2	11	32	0	12	22	220	66	5	2	3	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae
Otu34	348	230	359	501	373	276	415	181	265	337	627	180	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu35	266	173	110	216	125	99	178	110	101	269	281	160	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu32	83	140	162	118	175	83	56	56	98	60	251	44	Bacteria; Chloroflexi; Anaerolineae; A31
Otu33	0	0	5	3	4	243	8	6	38	22	5	30	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu31	441	86	45	130	77	70	71	31	33	108	154	29	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu2999	42	32	16	8	6	8	18	22	10	8	10	6	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu2998	4	2	2	2	1	0	2	0	0	1	0	2	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Erythrobacteraceae
Otu2991	0	0	0	3	0	0	2	0	0	1	2	2	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Coprococcus
Otu2990	0	0	0	0	2	1	2	0	1	1	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Coxiella
Otu2993	14	4	1	1	3	0	1	0	0	0	5	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; DA101
Otu2992	2	1	0	1	0	1	2	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2995	0	1	0	0	0	0	1	1	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu2994	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2997	0	0	0	0	0	1	0	1	2	0	0	0	Bacteria; OD1; ZB2
Otu2996	1	0	0	0	0	1	0	0	0	0	2	0	Bacteria; Cyanobacteria
Otu3251	3	0	2	1	3	0	1	0	1	0	1	1	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2865	3	0	1	1	1	1	1	1	1	1	1	1	Bacteria; TM7; TM7-1
Otu2864	2	0	0	0	0	0	0	0	1	1	0	4	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Acidobacteriaceae
Otu2867	2	0	0	1	0	0	0	0	1	0	1	0	Bacteria; OP11; OP11-3
Otu2866	0	0	2	0	0	0	1	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2861	0	0	1	1	0	1	4	3	3	4	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales
Otu2860	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2863	11	5	2	3	4	0	2	2	4	3	17	4	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Kaistobacter
Otu2862	0	0	1	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; MIZ46
Otu1103	16	3	2	4	2	3	4	4	8	14	5	3	Bacteria; Chlorobi
Otu2869	3	0	2	0	1	0	1	0	3	0	1	0	Bacteria; Chloroflexi; Anaerolineae; A31
Otu2868	6	3	7	2	6	5	2	0	3	2	3	0	Bacteria; Chloroflexi; Anaerolineae; WCHB1-50
Otu1102	24	21	8	4	6	7	6	3	0	15	11	8	Bacteria; Gemmatimonadetes; Gemm-1
Otu2739	0	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1101	0	2	3	0	6	0	0	0	0	1	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2216	0	0	0	0	0	3	0	0	1	3	1	0	Bacteria; Cyanobacteria; 4C0d-2; MLE1-12
Otu2735	0	1	0	1	0	1	0	0	1	0	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2734	0	1	3	0	0	0	1	2	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2737	0	0	0	0	2	0	0	0	0	0	3	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1100	4	2	5	14	1	3	1	0	3	3	0	2	Bacteria; Armatimonadetes; Armatimonadia; FW68
Otu2731	0	0	0	0	2	0	0	0	0	0	1	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2730	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2733	0	2	2	1	0	0	1	1	0	0	3	1	Bacteria; Cyanobacteria; ML635J-21
Otu2732	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria
Otu426	21	16	22	27	1	25	41	26	3	6	4	14	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Rhodanobacter
Otu427	38	42	24	31	17	31	36	21	25	12	38	24	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae; Catellatospora
Otu424	6	1	6	7	0	27	11	12	6	7	1	14	Bacteria; Acidobacteria; DA052; Ellin6513

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu3488	2	0	0	0	0	0	0	0	0	0	1	0	Bacteria; Bacteroidetes
Otu425	27	17	40	29	31	45	33	15	19	19	52	12	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu2217	0	1	4	2	0	1	3	1	1	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Nannocystaceae; Nannocystis; Nannocystis_exedens
Otu1189	2	2	7	1	5	4	1	2	2	1	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1188	2	0	2	3	0	7	0	2	9	1	3	2	Bacteria; Armatimonadetes; Chthonomonadetes; Chthonomonadales; Chthonomonadaceae
Otu1187	3	0	0	0	0	0	7	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu422	42	10	15	9	6	9	13	13	18	8	19	5	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1185	6	3	1	4	1	2	0	0	0	1	1	2	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu1184	0	0	0	1	0	2	1	3	3	10	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1183	3	8	3	5	3	7	3	7	5	15	4	6	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1182	2	3	1	0	2	1	2	1	1	2	6	1	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1181	84	17	28	25	7	14	48	32	28	26	15	25	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu423	2	29	7	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu1341	5	0	3	1	1	1	1	0	0	1	2	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu1340	12	8	2	6	2	4	13	4	5	5	6	3	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1343	14	3	8	5	3	4	9	5	13	4	14	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1342	9	1	1	1	0	1	6	1	1	0	1	1	Bacteria; Chloroflexi; Thermomicrobia; Ellin6537
Otu1345	6	2	5	2	5	2	0	1	0	2	3	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu352	2	0	4	3	1	29	0	2	0	5	3	13	Bacteria; Chloroflexi; Ktedonobacteria
Otu1347	1	0	0	0	6	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu1346	5	1	0	3	0	2	1	0	1	0	0	0	Bacteria; Chloroflexi; Ellin6529
Otu1349	6	1	5	2	6	1	0	0	0	0	2	0	Bacteria; WS3; PRR-12; Sediment-1

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1348	1	0	0	5	0	3	1	0	0	2	1	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu421	49	3	0	7	2	1	0	2	1	1	5	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2068	10	3	2	4	1	6	4	3	3	4	4	2	Bacteria; TM7; SC3
Otu480	3	2	4	20	2	2	11	8	3	0	7	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu481	9	5	3	4	5	3	7	5	23	8	5	13	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu482	3	6	5	13	6	9	6	13	13	15	20	6	Bacteria; Proteobacteria
Otu483	40	9	16	28	14	18	21	14	17	26	13	15	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu484	8	4	19	27	9	12	31	12	25	17	29	7	Bacteria; Chloroflexi; C0119
Otu485	26	8	2	1	4	0	5	3	2	2	10	0	Bacteria; Gemmatimonadetes; Gemm-5
Otu486	1	2	11	10	10	16	16	23	1	7	12	27	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas
Otu487	0	1	0	22	0	0	0	0	0	0	4	0	Bacteria; Bacteroidetes
Otu488	1	0	6	2	7	2	7	5	3	24	1	4	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Cohnella
Otu489	10	31	27	24	29	13	1	0	6	16	26	7	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu334	63	10	5	6	6	5	11	4	1	2	2	2	Bacteria; Proteobacteria; Betaproteobacteria
Otu335	24	14	19	14	2	12	68	41	13	7	11	5	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu332	24	10	16	39	11	24	28	11	25	30	40	20	Bacteria
Otu333	60	11	25	41	13	15	16	15	24	46	34	20	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu330	100	45	46	48	19	26	79	32	58	40	46	33	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu331	57	14	27	21	26	7	25	6	8	12	55	4	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2609	0	2	0	4	0	2	0	0	0	0	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2608	0	0	0	0	1	1	1	1	2	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2601	2	0	0	0	1	0	0	0	0	0	1	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2600	0	1	1	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2603	0	0	2	1	2	0	0	0	1	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2602	0	0	0	4	0	0	1	0	1	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2605	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; Acidobacteria-6
Otu2067	1	0	2	0	2	0	1	0	4	0	1	1	Bacteria; Chloroflexi; Thermomicrobia; AKYG1722
Otu2607	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu2606	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2066	24	33	20	21	23	35	9	12	24	39	42	11	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu158	6	3	16	8	6	5	110	3	8	4	3	10	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales
Otu3122	0	0	0	2	0	0	0	0	0	0	1	0	Bacteria; Cyanobacteria
Otu152	225	125	143	204	108	70	105	86	126	151	88	239	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu153	60	35	62	106	67	87	70	45	67	93	84	37	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu150	142	42	28	34	28	32	49	21	31	49	67	15	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu151	70	11	12	20	7	13	19	7	9	13	9	5	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu156	57	31	54	96	63	99	154	104	117	49	53	59	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu157	122	43	18	59	37	4	34	23	18	27	67	26	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu154	48	14	44	43	21	54	46	50	45	83	42	21	Bacteria; Verrucomicrobia; Opitutae; Opitutales; Opitutaceae; Opitutus
Otu155	86	21	21	14	11	7	36	4	3	25	25	9	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu938	5	1	5	5	8	1	0	1	3	4	5	0	Bacteria
Otu939	21	13	12	11	20	6	15	6	7	3	13	9	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15
Otu2517	2	2	3	4	2	2	1	0	0	5	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu2516	22	18	16	7	2	4	12	2	0	2	12	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2511	3	3	2	1	0	0	0	0	1	2	1	0	Bacteria; Acidobacteria; Acidobacteria-5
Otu2510	0	0	2	0	0	0	2	1	0	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2513	4	0	1	0	0	0	0	0	1	0	1	1	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales; Patulibacteraceae
Otu2512	2	0	2	0	0	1	0	0	0	0	0	0	Bacteria; AD3; ABS-6
Otu930	2	1	0	2	0	3	3	9	9	4	0	3	Bacteria; Acidobacteria; Acidobacteria-6; iii1-15; RB40
Otu931	53	30	23	50	27	27	50	17	33	34	61	22	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu932	3	1	4	10	4	18	7	5	11	11	3	8	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu933	13	1	4	4	3	0	5	8	2	9	12	5	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales; Ellin5301
Otu934	7	0	0	9	0	0	0	0	2	6	1	1	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Cryomorphaceae; Fluviicola
Otu935	2	11	4	5	1	3	10	6	4	3	14	2	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus
Otu936	8	2	8	7	2	5	8	2	4	5	3	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu937	11	4	1	1	0	1	1	0	1	2	2	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; OR-59
Otu2269	3	1	0	1	1	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu3028	2	3	0	0	0	0	0	0	0	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3029	0	0	1	0	0	0	0	1	0	2	0	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu3026	2	3	1	0	0	0	0	0	2	2	2	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu3027	1	1	0	0	0	0	0	2	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu3024	8	17	14	12	16	7	10	5	11	4	24	14	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin515
Otu2268	6	3	11	13	4	3	7	4	6	6	3	5	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3022	1	0	1	1	2	0	0	1	1	2	4	1	Bacteria; Proteobacteria; TA18; PHOS-HD29
Otu3023	2	0	0	1	1	0	1	0	2	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; FAC87
Otu3020	0	0	1	0	0	0	0	2	0	2	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3021	0	0	0	2	0	1	0	0	0	0	0	0	Bacteria; Chloroflexi; TK10
Otu2616	0	0	0	0	0	0	0	2	0	0	0	0	Bacteria; Proteobacteria
Otu1969	1	0	2	6	2	0	8	2	0	6	6	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Dyadobacter
Otu1968	0	0	0	3	0	1	0	0	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1965	0	0	1	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1964	3	2	0	1	0	1	2	0	1	2	3	1	Bacteria; Proteobacteria; Deltaproteobacteria
Otu1967	4	5	2	2	0	1	4	2	0	3	4	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; Iamiaceae; Iamia
Otu1966	0	0	0	1	3	3	0	1	1	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu1961	2	3	0	0	0	0	0	1	0	1	1	1	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu1960	3	0	2	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1963	38	11	7	12	3	11	21	16	17	5	3	22	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu1962	1	0	1	1	0	1	0	0	3	0	0	1	Bacteria; WS3; PRR-12; LD1-PA13
Otu804	2	10	2	10	5	8	10	7	7	5	6	13	Bacteria; Armatimonadetes; Fimbriimonadia; Fimbriimonadales; Fimbriimonadaceae; Fimbriimonas
Otu805	0	3	11	0	1	0	0	0	0	0	1	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Saprospiraceae
Otu806	10	5	0	7	2	2	16	15	11	19	11	10	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu807	1	4	4	16	2	4	1	7	4	6	5	7	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu800	3	1	3	1	1	2	1	7	8	4	10	6	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu801	15	6	3	10	9	3	9	2	5	12	19	5	Bacteria; Nitrospirae; Nitrospira; Nitrospirales; Nitrospiraceae; Nitrospira
Otu802	28	25	7	11	12	1	8	5	2	7	21	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu803	1	0	0	3	5	0	0	0	0	0	9	0	Bacteria; Cyanobacteria; Nostocophycidae; Nostocales; Nostocaceae
Otu3129	1	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu3128	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Cyanobacteria; Chloroplast

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu808	1	2	6	18	9	28	2	11	26	1	9	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu809	19	5	1	1	3	4	5	2	2	0	6	2	Bacteria; Proteobacteria; Deltaproteobacteria; Syntrophobacterales; Syntrophobacteraceae
Otu2461	1	3	5	4	2	0	1	0	0	2	0	2	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2460	3	0	0	2	0	0	0	0	0	0	0	0	Bacteria; AD3; JG37-AG-4
Otu2463	2	1	3	4	5	0	5	1	2	1	4	1	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2462	0	0	1	2	1	5	1	1	7	0	3	2	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu2465	0	0	0	4	0	2	1	1	1	0	0	0	Bacteria; TM6; SJA-4
Otu2464	0	4	4	4	1	1	2	3	5	1	2	1	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2467	2	1	1	0	1	0	0	0	0	2	0	1	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu2466	0	0	0	3	0	0	0	0	0	0	4	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Kineosporiaceae; Kineosporia
Otu2469	0	0	1	0	0	2	1	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2468	2	0	0	0	0	0	0	0	0	1	1	0	Bacteria
Otu3133	1	0	0	0	2	0	0	1	0	0	0	0	Bacteria; Verrucomicrobia; Pedosphaerae
Otu1108	2	9	5	12	2	7	16	7	9	9	9	7	Bacteria; BRC1; PRR-11
Otu3031	1	1	0	0	0	0	0	0	0	0	0	2	Bacteria; Chloroflexi; TK17
Otu3030	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu3032	3	2	0	1	1	0	0	2	0	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3239	0	0	1	1	0	0	0	1	0	3	2	4	Bacteria; Firmicutes; Bacilli; Bacillales; Thermoactinomycetaceae; Shimazuella
Otu3238	1	0	1	1	0	2	0	2	1	2	2	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3237	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; Proteobacteria
Otu3236	1	2	1	1	1	0	1	1	1	0	2	1	Bacteria
Otu3234	15	9	6	19	5	4	12	7	10	10	17	12	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Sediminibacterium

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3233	0	0	0	2	0	0	0	0	0	0	1	0	Bacteria; Fibrobacteres; Fibrobacteria; 258ds10
Otu3232	9	10	1	2	0	1	0	0	1	0	4	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu3231	7	2	7	7	4	17	3	6	11	18	12	10	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu3230	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu2612	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu3039	0	0	0	0	0	0	0	0	0	0	1	2	Bacteria; FBP
Otu2688	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Ktedonobacteria; Thermogemmatisporales; Thermogemmatisporaceae
Otu3449	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; OD1; SM2F11
Otu2523	2	4	4	4	0	0	4	0	2	0	1	0	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu2613	0	0	1	0	0	1	0	0	0	0	3	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Acetobacteraceae
Otu1745	0	1	0	1	0	0	4	0	0	1	2	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1744	0	0	1	3	0	1	1	0	0	3	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu1747	3	5	1	0	0	0	1	1	0	3	1	2	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Lysobacter
Otu1746	1	0	2	5	0	2	0	6	1	0	1	1	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu1741	10	6	3	6	5	1	6	3	2	6	7	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Gemmatimonadales
Otu1740	0	2	1	4	2	1	0	1	1	1	2	2	Bacteria; Elusimicrobia; Elusimicrobia; MVP-88
Otu1743	1	1	1	5	3	0	7	2	3	2	2	0	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu1742	22	11	14	31	14	21	42	31	38	34	18	25	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu2058	3	0	0	0	0	0	0	1	1	1	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2059	23	13	27	32	20	22	35	23	17	35	32	21	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae; Candidatus_Koribacter
Otu1749	1	3	0	1	2	0	0	0	0	0	5	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Parvibaculum
Otu1748	2	1	0	1	2	0	4	1	1	2	0	4	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1987	3	0	0	1	3	1	2	0	2	2	2	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu1986	0	0	0	0	1	0	0	0	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1985	11	2	0	3	0	0	1	0	1	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1984	1	3	3	4	0	4	4	3	8	2	3	4	Bacteria; OP3; PBS-25
Otu1983	2	1	2	0	1	3	0	2	3	0	1	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1982	4	1	1	1	0	0	0	0	0	1	1	1	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1981	7	4	1	5	4	4	8	4	6	3	6	5	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae
Otu1980	0	2	0	0	0	0	1	1	0	0	3	0	Bacteria
Otu2053	0	0	0	0	1	0	0	0	0	0	4	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2298	0	0	0	0	0	0	0	0	0	0	3	0	Bacteria; Firmicutes; Clostridia; Clostridiales; Lachnospiraceae; Epulopiscium
Otu2299	1	0	0	0	0	0	0	0	0	2	0	0	Bacteria
Otu1989	0	1	0	4	0	0	1	0	2	2	2	0	Bacteria; Verrucomicrobia; Methylacidiphilae; S-BQ2-57
Otu1988	7	1	4	3	0	1	7	1	2	2	2	3	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu3344	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria
Otu215	22	21	68	21	66	29	48	104	17	13	15	23	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2054	0	0	1	3	1	2	0	0	5	0	5	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu2611	1	3	1	3	1	3	2	2	2	1	2	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu214	62	21	35	45	21	59	59	67	116	52	34	60	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1408	1	1	2	5	0	3	8	2	1	3	5	3	Bacteria; Chloroflexi; Chloroflexi; AKIW781
Otu1409	1	4	1	1	2	0	1	0	0	1	5	3	Bacteria; Proteobacteria; Deltaproteobacteria; NB1-j; NB1-i
Otu1402	7	0	2	1	0	3	4	0	0	1	1	2	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1403	0	0	0	0	5	0	2	0	0	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1400	6	1	1	2	2	5	3	5	3	3	1	4	Bacteria; Proteobacteria
Otu1401	0	0	1	1	0	0	0	4	0	0	0	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu1406	0	0	0	0	2	0	0	0	0	1	2	7	Bacteria; Verrucomicrobia; Opitutae; Cerasiococcales; Cerasiococcaceae
Otu1407	1	0	6	3	2	2	2	0	1	1	3	0	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales; Parachlamydiaceae
Otu1404	0	0	2	2	0	1	1	7	1	0	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1405	4	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Streptophyta
Otu3142	2	0	0	0	0	1	1	2	2	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu1531	3	4	4	5	2	0	0	5	1	6	1	1	Bacteria; Planctomycetes; vadinHA49; p04_C01
Otu217	72	44	76	70	46	43	43	30	32	47	134	34	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu2188	0	2	1	3	0	0	0	0	3	0	0	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu2189	1	0	2	4	0	4	2	6	3	0	2	4	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2186	2	4	2	0	1	0	4	2	0	5	4	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2187	0	2	1	1	4	2	2	3	0	4	2	2	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2184	0	0	0	3	0	0	1	0	3	3	2	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2185	3	0	0	1	0	0	1	0	0	0	0	0	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Nocardiaceae; Rhodococcus; Rhodococcus_fascians
Otu2182	3	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Cyanobacteria; Chloroplast; Stramenopiles
Otu2183	0	1	0	1	0	0	3	0	0	1	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Steroidobacter
Otu2180	0	0	0	3	0	0	3	0	0	0	1	0	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu2181	0	3	1	0	0	0	2	0	0	0	1	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1536	0	0	0	0	0	0	0	1	0	1	3	4	Bacteria; OD1; SM2F11
Otu3349	196	107	136	229	91	101	167	158	157	121	206	105	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu216	63	13	13	31	10	48	53	40	37	39	29	29	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1576	0	1	3	2	1	0	0	1	0	0	10	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae; Solitalea; Solitalea_canadensis
Otu1577	0	4	2	2	0	0	0	0	0	0	0	0	Bacteria; Acidobacteria; BPC102
Otu1574	4	7	3	1	1	0	1	0	0	3	3	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu1575	6	1	1	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu1572	1	1	0	2	4	0	1	1	0	2	1	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1573	0	0	0	0	0	2	1	0	5	0	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu1570	3	0	3	5	1	3	6	5	4	3	7	3	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu1571	1	0	1	1	0	3	1	5	0	2	2	1	Bacteria; Acidobacteria; DA052; Ellin6513
Otu1578	1	0	0	3	4	1	3	1	1	1	2	0	Bacteria; Chloroflexi; Thermomicrobia
Otu1579	0	2	1	0	4	0	1	1	1	0	5	0	Bacteria; Chloroflexi; Anaerolineae; Caldilineales; Caldilineaceae
Otu2057	0	0	0	1	0	2	0	1	3	1	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2987	0	1	0	2	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria
Otu2984	0	0	0	1	1	0	0	0	0	2	2	0	Bacteria; Chloroflexi; TK10
Otu2985	2	0	0	3	1	1	0	0	0	1	1	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; N1423WL
Otu2982	1	0	0	2	0	1	0	0	0	1	0	0	Bacteria
Otu2983	2	5	4	1	1	3	3	1	1	3	2	3	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae
Otu2980	3	0	0	1	1	0	0	1	0	1	3	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Candidatus_Xiphinematobacter
Otu2981	1	1	1	0	3	1	2	1	1	1	2	2	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3348	0	0	0	0	0	0	0	0	2	0	0	0	Bacteria; OD1; ZB2
Otu211	44	35	50	26	28	12	40	9	16	15	80	15	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu2988	2	1	2	0	0	0	2	0	0	0	6	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2989	1	1	1	0	2	1	0	0	2	0	2	0	Bacteria; Acidobacteria; Solibacteres; Solibacteriales; Solibacteraceae; Candidatus_Solibacter

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1534	5	0	4	0	1	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingobium
Otu210	8	4	18	14	17	3	70	3	17	6	4	6	Bacteria; Proteobacteria; Betaproteobacteria; Rhodocyclales; Rhodocyclaceae
Otu213	65	9	3	10	1	2	18	11	1	1	5	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria; Lupinus; Lupinus_luteus
Otu2872	7	2	8	10	2	10	14	6	12	8	12	7	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales
Otu2873	0	1	1	2	0	0	0	0	0	0	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae; Spirosoma
Otu2870	3	0	0	1	0	2	0	0	0	3	1	3	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu2871	4	1	0	0	1	0	0	0	0	0	0	2	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2876	0	0	0	2	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu2877	3	0	0	2	0	0	2	0	2	1	0	0	Bacteria; FBP
Otu2874	2	2	0	4	0	0	0	1	0	0	0	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae
Otu2875	0	0	2	1	0	0	0	3	5	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu2878	4	0	2	1	1	1	1	0	1	3	1	0	Bacteria; Armatimonadetes; 0319-6E2
Otu2879	3	0	0	0	0	0	0	0	1	0	0	0	Bacteria
Otu2728	2	1	3	5	3	2	4	3	5	1	6	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae; A17
Otu2729	0	1	0	0	0	1	0	1	2	0	0	0	Bacteria
Otu212	69	10	7	1	1	0	2	0	0	1	12	2	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu2722	0	7	1	0	0	0	3	2	0	0	4	0	Bacteria; TM7; TM7-1
Otu2723	3	0	0	0	1	0	3	1	0	0	4	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu2720	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae
Otu2721	0	0	0	0	4	1	0	0	0	0	1	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2726	0	0	1	2	2	1	0	0	0	4	1	0	Bacteria; Acidobacteria; Solibacteres; Solibacteriales
Otu2727	1	2	0	0	0	1	0	2	2	1	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2724	0	1	0	0	0	3	0	1	0	0	0	1	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu2725	0	0	0	0	0	0	0	1	2	0	1	1	Bacteria; Proteobacteria
Otu3255	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu3254	0	0	2	3	0	0	0	0	0	2	15	0	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu2618	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; H39
Otu3257	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2161	7	1	5	3	2	6	3	3	2	0	9	4	Bacteria; Firmicutes; Clostridia; Clostridiales; Clostridiaceae; Clostridium
Otu3256	2	0	0	0	1	1	0	0	0	0	1	0	Bacteria; TM7; TM7-1
Otu1198	6	5	2	2	5	4	2	1	2	2	7	2	Bacteria; Gemmatimonadetes; Gemm-5
Otu1199	0	5	3	2	7	1	5	2	1	0	2	3	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1194	10	3	12	20	6	14	22	14	19	5	22	2	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Frankiaceae
Otu1195	6	12	2	3	10	0	3	1	1	0	12	0	Bacteria; Chloroflexi; Anaerolineae; GCA004
Otu1197	2	0	0	0	1	0	1	0	1	0	2	6	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu1190	0	5	7	2	2	1	3	2	1	1	8	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu1191	3	7	8	7	2	1	13	5	5	1	9	16	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus; Paenibacillus_chondroitinus
Otu1192	2	2	1	7	4	0	4	1	3	0	8	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1193	1	5	2	3	2	2	10	0	0	0	5	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Rhodoplanes
Otu3253	1	0	1	3	2	6	2	1	2	1	3	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu1358	2	6	3	6	4	3	4	6	6	7	8	4	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1359	10	2	2	4	2	1	5	1	1	3	4	1	Bacteria
Otu1356	0	0	0	0	5	0	0	0	0	0	1	0	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales; Ellin517
Otu1357	6	1	4	5	2	4	9	3	4	5	3	2	Bacteria; Planctomycetes; Phycisphaerae; WD2101

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu1354	8	2	3	2	4	0	1	0	1	0	5	0	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Alcaligenaceae
Otu1355	2	0	3	1	5	3	0	0	0	4	7	1	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu1352	0	2	0	2	1	1	0	0	3	6	4	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1353	11	2	8	17	4	2	4	0	4	5	11	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Polyangiaceae
Otu1350	0	1	4	3	2	0	7	4	0	7	1	9	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu1351	0	0	1	2	2	0	0	0	1	6	6	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2162	2	1	1	4	1	5	4	1	3	1	0	3	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2454	3	0	2	2	0	0	3	1	2	0	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu2614	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2615	3	0	2	0	1	0	3	2	0	1	0	2	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu329	11	63	19	6	22	5	4	2	2	3	17	2	Bacteria; Acidobacteria; Chloracidobacteria; 11-24
Otu328	58	48	35	49	34	25	56	16	41	33	99	24	Bacteria; Actinobacteria; Thermoleophilina; Gaiellales; Gaiellaceae
Otu499	3	1	10	7	7	1	19	10	5	9	7	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu498	14	3	5	14	1	5	6	18	21	3	6	4	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu497	0	3	19	3	0	1	1	0	0	1	1	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu496	28	20	21	22	12	9	33	11	18	16	20	12	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacteriales; Chthoniobacteraceae; Chthoniobacter
Otu495	21	19	32	40	5	10	25	24	41	33	7	46	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu494	40	13	17	22	22	4	7	0	5	28	24	12	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu493	1	0	2	3	3	0	0	0	3	19	2	6	Bacteria; Proteobacteria; Gammaproteobacteria
Otu492	4	1	3	1	0	0	7	5	4	3	20	6	Bacteria; Gemmatimonadetes; Gemm-3
Otu491	45	29	18	12	9	9	22	14	11	12	45	7	Bacteria; Chloroflexi; Ellin6529
Otu490	25	20	13	11	5	2	8	4	4	17	13	5	Bacteria; Acidobacteria; Acidobacteria-5

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1753	0	0	0	0	0	1	3	0	1	0	1	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio
Otu2769	0	0	3	0	0	0	0	0	0	0	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae
Otu1118	0	0	1	0	0	0	0	0	1	0	0	7	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu927	2	0	2	3	0	9	0	5	4	3	2	2	Bacteria; Elusimicrobia; Elusimicrobia; FAC88
Otu926	4	0	2	3	2	1	2	1	1	10	8	9	Bacteria; Proteobacteria; Alphaproteobacteria
Otu925	2	5	9	1	5	0	2	0	0	0	1	0	Bacteria; Acidobacteria; Acidobacteria-6; CCU21
Otu924	0	1	1	0	2	0	0	2	0	21	1	5	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu923	0	1	0	6	0	0	0	0	1	1	3	8	Bacteria; Verrucomicrobia; Opitutae; Opitiales; Opitutaceae; Opitutus
Otu922	0	4	4	3	4	2	9	4	8	7	9	4	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu921	5	4	5	9	5	2	9	4	5	4	11	2	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu920	13	3	1	0	3	1	1	0	1	5	0	1	Bacteria
Otu141	86	102	223	189	129	184	234	71	86	59	258	73	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Intrasporangiaceae
Otu140	90	216	223	267	179	255	168	215	115	151	149	84	Bacteria; Chloroflexi; Anaerolineae; SBR1031; A4b
Otu143	49	53	64	55	21	17	117	34	38	27	49	26	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Sphingomonas
Otu142	172	61	54	126	25	91	129	122	128	76	49	164	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae
Otu145	352	127	92	173	99	60	93	83	106	108	180	65	Bacteria; Acidobacteria; iii1-8; DS-18
Otu1119	3	0	0	2	0	2	0	0	0	8	1	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu929	21	4	4	12	7	5	7	3	6	11	12	10	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Myxococcaceae
Otu928	25	18	13	13	8	10	18	13	12	10	14	14	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae
Otu2502	0	0	0	0	0	1	1	0	3	1	2	0	Bacteria; Chloroflexi
Otu2503	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu2500	0	1	1	0	0	0	0	0	0	0	2	0	Bacteria; Armatimonadetes; 0319-6E2

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2501	2	0	2	2	2	0	0	1	0	2	3	2	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio; Bdellovibrio_bacteriovorus
Otu2506	0	0	0	1	1	2	0	6	0	5	2	1	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2507	1	1	0	0	0	6	0	0	0	0	1	0	Bacteria; Chloroflexi; Anaerolineae; CFB-26
Otu2504	0	0	0	2	2	0	0	1	1	1	0	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu2505	2	1	4	1	4	1	1	0	1	0	5	2	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu2508	0	0	2	2	0	3	3	0	1	0	4	0	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae
Otu2509	4	8	8	5	5	3	4	2	1	5	0	2	Bacteria; Acidobacteria; Acidobacteria-5
Otu3059	17	8	5	5	6	6	15	3	3	8	13	10	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales
Otu3058	0	0	0	0	1	0	0	0	2	1	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; BD7-3
Otu3053	2	1	0	2	0	1	1	0	2	1	1	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu3052	2	0	0	3	1	0	0	1	2	1	1	0	Bacteria; OP3; PBS-25
Otu3051	0	0	2	0	0	0	0	0	0	1	1	0	Bacteria; Chlamydiae; Chlamydiai; Chlamydiales; Parachlamydiaceae
Otu3050	0	0	0	1	0	0	2	0	2	2	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu3057	0	0	1	2	1	0	0	1	1	0	2	0	Bacteria
Otu3056	0	0	1	0	0	1	0	0	2	0	0	0	Bacteria; OD1; Mb-NB09
Otu3055	0	0	1	2	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3054	10	4	4	3	6	1	3	1	2	0	5	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu3279	0	0	0	1	0	1	1	3	0	2	1	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1978	3	0	0	0	0	0	3	0	2	1	1	1	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Brevibacillus
Otu1979	4	0	2	0	0	1	2	0	0	0	2	5	Bacteria; Chloroflexi; TK10; B07_WMSP1
Otu1972	10	5	1	7	0	0	0	0	0	1	0	1	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu1973	4	0	0	1	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Bdellovibrionales; Bdellovibrionaceae; Bdellovibrio

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1970	3	1	0	0	0	0	0	1	0	0	0	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1971	0	0	0	0	0	3	2	1	2	0	0	0	Bacteria
Otu1976	1	1	1	3	3	0	3	0	1	3	5	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1977	0	0	0	2	1	1	4	1	3	2	0	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1974	5	0	0	0	0	0	0	1	0	0	0	1	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1975	0	1	2	0	3	0	0	0	0	0	0	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu813	7	3	6	8	3	3	14	9	10	14	4	9	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae
Otu812	2	3	8	5	3	19	10	16	16	12	6	11	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu811	5	1	23	0	8	1	2	19	14	2	0	1	Bacteria; Verrucomicrobia; Opiritae; Opiritales; Opiritaceae; Opiritus
Otu810	11	6	1	2	2	1	4	5	1	4	3	0	Bacteria
Otu817	19	1	2	4	3	7	1	2	2	2	4	1	Bacteria; Planctomycetes; Phycisphaerae; CPLa-3
Otu816	3	13	5	3	4	2	6	2	3	5	12	1	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales
Otu815	11	3	7	11	6	4	8	1	5	4	4	2	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu814	4	17	0	0	0	1	1	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Aeromonadales; Aeromonadaceae
Otu3138	0	0	1	0	0	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu3139	2	0	2	1	0	0	0	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales
Otu819	7	0	7	13	4	2	12	6	3	8	7	5	Bacteria; WPS-2
Otu818	59	24	13	21	32	19	26	17	15	103	101	20	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu1503	11	8	6	4	5	7	7	3	4	1	12	3	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu2478	1	1	2	2	0	0	0	2	3	3	0	1	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales
Otu1502	1	1	0	1	0	0	6	0	3	2	1	1	Bacteria
Otu2476	0	0	0	0	0	3	0	0	0	0	0	0	Bacteria; OP3; koll11

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu2477	0	2	0	0	0	1	2	0	0	0	2	0	Bacteria
Otu2474	2	0	0	1	0	0	0	0	1	0	1	0	Bacteria; OD1; SM2F11
Otu2475	1	1	1	2	0	4	0	1	2	2	3	4	Bacteria; OD1; SM2F11
Otu2472	3	2	1	0	1	1	1	1	0	2	1	1	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu1501	1	2	2	1	0	7	0	3	4	4	2	2	Bacteria; Chloroflexi; Ktedonobacteria; Ktedonobacteriales; Ktedonobacteraceae
Otu2470	2	0	0	0	0	0	0	2	0	0	2	0	Bacteria; Proteobacteria; Gammaproteobacteria
Otu1500	2	1	1	5	2	0	0	1	1	2	0	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1507	0	0	3	5	5	0	1	0	0	0	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae; Aquicella
Otu11	298	210	331	617	188	468	469	413	573	860	460	668	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu1505	5	4	1	1	1	0	0	0	0	0	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1504	9	5	5	1	2	5	1	0	0	6	5	6	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales
Otu578	20	2	2	1	8	1	1	3	1	1	11	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu1508	9	0	2	6	2	1	4	0	3	2	2	1	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu3228	0	0	0	2	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu3229	7	0	2	5	1	3	3	5	3	6	4	0	Bacteria; Acidobacteria; Chloracidobacteria; RB41; Ellin6075
Otu579	20	16	5	22	8	2	27	10	8	18	11	15	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290
Otu3224	2	0	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Rhodospirillales; Rhodospirillaceae
Otu3225	3	0	1	0	0	0	0	0	0	0	0	0	Bacteria; Planctomycetes; Planctomycetia; Pirellulales; Pirellulaceae
Otu3226	0	0	0	0	1	0	0	0	1	0	2	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu3227	0	0	0	0	0	2	0	0	0	1	0	1	Bacteria; Chloroflexi; C0119
Otu3220	47	19	8	3	19	0	4	3	3	9	18	5	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu3221	0	0	0	0	0	0	0	0	0	0	2	0	Bacteria; Bacteroidetes

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	taxonomy
Otu3222	1	1	1	2	0	0	2	0	0	0	0	0	Bacteria; Firmicutes; Clostridia; Clostridiales
Otu3223	0	0	0	0	0	3	0	0	0	0	0	1	Bacteria; Acidobacteria; Solibacteres; Solibacterales; Solibacteraceae; Candidatus_Solibacter
Otu3487	3	0	0	1	0	0	0	0	0	0	0	0	Bacteria; Armatimonadetes; Armatimonadia; Armatimonadales; Armatimonadaceae
Otu1752	0	0	0	0	0	0	0	0	0	1	0	3	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu1019	16	3	7	15	7	2	5	2	9	4	14	0	Bacteria; Proteobacteria; Betaproteobacteria
Otu1750	1	0	2	3	1	1	0	2	0	3	3	1	Bacteria; Armatimonadetes; 0319-6E2
Otu1751	0	0	0	3	1	0	0	0	0	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae; Gemmata
Otu1756	2	7	4	8	3	5	3	5	5	6	10	4	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Ammoniphilus
Otu1757	0	0	0	3	0	2	0	0	0	1	1	2	Bacteria; Planctomycetes; vadinHA49; DH61
Otu1754	3	0	7	1	0	0	2	0	1	0	4	1	Bacteria; Proteobacteria; Betaproteobacteria; Methylophilales; Methylophilaceae
Otu1018	0	7	3	3	2	5	4	3	2	11	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Legionellales; Coxiellaceae
Otu2065	0	0	1	3	0	1	1	0	3	1	1	0	Bacteria; Actinobacteria; Acidimicrobia; Acidimicrobiales
Otu2064	3	0	0	4	0	1	1	0	0	0	1	1	Bacteria; Proteobacteria; Alphaproteobacteria; Sphingomonadales; Sphingomonadaceae; Novosphingobium
Otu1758	5	0	2	2	1	5	3	3	2	2	5	1	Bacteria; Planctomycetes; Planctomycetia; Planctomycetales; Planctomycetaceae; Planctomyces
Otu1759	0	0	1	1	0	3	1	1	1	1	0	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu2061	1	0	0	0	0	0	0	0	2	3	0	0	Bacteria; Chlamydiae; Chlamydia; Chlamydiales
Otu2060	1	1	1	2	1	0	0	1	2	5	2	0	Bacteria; Planctomycetes; Phycisphaerae; WD2101
Otu2063	0	0	0	3	0	1	0	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria; Ellin329
Otu2062	3	0	1	2	1	3	4	2	2	1	3	1	Bacteria; Chloroflexi; Ktedonobacteria; JG30-KF-AS9
Otu1994	0	1	1	0	0	0	1	0	0	0	3	0	Bacteria; Planctomycetes; Planctomycetia; Gemmatales; Gemmataceae
Otu1995	0	0	3	1	2	2	1	3	3	2	0	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1996	0	1	0	0	0	0	0	0	0	0	3	0	Bacteria; Proteobacteria

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu1997	0	4	4	1	4	4	9	2	3	4	5	6	Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Brevibacillus
Otu1990	0	0	1	3	0	0	4	1	4	3	2	1	Bacteria; Actinobacteria
Otu1991	10	0	0	0	0	6	1	1	1	3	2	1	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu1992	0	0	0	0	0	5	1	0	0	1	0	0	Bacteria; ODI; ZB2
Otu1993	5	5	4	4	4	2	4	2	0	0	4	0	Bacteria; Tenericutes; Mollicutes; Anaeroplasmatales; Anaeroplasmataceae; Asteroleplasma
Otu2267	0	0	0	0	0	0	1	0	0	2	0	0	Bacteria; TM7; SC3
Otu2266	2	2	2	2	3	6	3	2	2	5	2	4	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales
Otu2265	2	0	0	1	0	1	0	0	0	0	0	1	Bacteria
Otu2264	0	2	0	0	0	0	0	0	0	0	0	0	Bacteria; Proteobacteria; Gammaproteobacteria; Alteromonadales; 125ds10
Otu1998	3	0	0	5	3	0	1	1	0	1	6	0	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu1999	2	1	0	3	0	1	1	1	2	0	3	5	Bacteria; Proteobacteria; Betaproteobacteria
Otu2261	0	2	1	0	3	2	4	0	1	0	1	2	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales; EB1017
Otu2260	0	1	0	2	0	2	1	0	1	0	0	0	Bacteria
Otu2791	0	0	2	1	1	0	2	0	0	0	0	0	Bacteria; Proteobacteria; Alphaproteobacteria
Otu2490	0	0	0	0	0	0	2	0	0	0	0	0	Bacteria
Otu2491	0	0	2	1	2	1	2	0	0	1	1	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae
Otu978	15	5	11	1	6	1	3	1	4	2	2	3	Bacteria; Proteobacteria; Betaproteobacteria; A21b; UD5
Otu979	16	10	13	14	6	1	19	7	7	24	6	6	Bacteria; TM6; SJA-4
Otu206	0	0	66	3	0	1	6	0	0	0	2	1	Bacteria; Proteobacteria; Alphaproteobacteria; Rickettsiales; mitochondria
Otu208	35	41	58	90	21	44	81	59	43	58	48	88	Bacteria; Verrucomicrobia; Pedosphaerae; Pedosphaerales
Otu757	12	6	0	8	6	2	6	1	3	2	9	3	Bacteria; Proteobacteria; Betaproteobacteria; SC-I-84
Otu1527	6	0	0	2	0	2	0	0	0	2	4	0	Bacteria; Proteobacteria; Deltaproteobacteria; Myxococcales; Cystobacterineae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu207	103	83	81	104	34	150	89	101	158	111	80	159	Bacteria; Acidobacteria; Solibacteres; Solibacterales
Otu204	239	105	186	180	90	87	192	119	173	148	123	161	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Comamonadaceae
Otu205	109	88	121	48	64	124	167	50	75	36	106	60	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micromonosporaceae
Otu202	61	44	40	82	27	83	138	66	113	53	94	65	Bacteria; Actinobacteria; Thermoleophilia; Gaiellales; Gaiellaceae
Otu203	1	2	0	0	0	0	0	0	0	57	2	3	Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Asticcacaulis
Otu14	680	382	318	886	398	280	650	488	461	926	886	335	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae; Flavisolibacter
Otu15	310	78	247	449	121	342	342	425	399	711	377	608	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu16	80	62	436	340	157	218	689	122	86	64	390	118	Bacteria; Actinobacteria; Actinobacteria; Actinomycetales; Micrococcaceae
Otu17	636	259	266	340	237	157	388	169	254	229	445	148	Bacteria; Proteobacteria; Betaproteobacteria
Otu10	823	38	61	63	20	63	45	49	70	44	29	72	Bacteria; Bacteroidetes; Cytophagia; Cytophagales; Cytophagaceae
Otu200	1	1	2	8	67	0	4	2	1	2	8	2	Bacteria; Bacteroidetes; Saprospirae; Saprospirales; Chitinophagaceae
Otu12	585	259	525	774	342	332	664	561	619	846	653	568	Bacteria; Acidobacteria; Acidobacteriia; Acidobacteriales; Koribacteraceae
Otu13	72	10	245	240	192	65	146	703	347	58	7	889	Bacteria; Bacteroidetes; Sphingobacteriia; Sphingobacteriales; Sphingobacteriaceae
Otu1509	1	4	5	1	10	0	0	0	0	2	6	2	Bacteria; Chloroflexi; Anaerolineae; SBR1031; oc28
Otu973	6	4	6	10	4	8	14	6	11	6	9	3	Bacteria; Actinobacteria; Thermoleophilia; Solirubrobacterales
Otu18	4	5	21	23	4	5	32	11	19	841	2	13	Bacteria; Bacteroidetes; Flavobacteriia; Flavobacteriales; Weeksellaceae; Chryseobacterium
Otu19	1260	761	307	326	427	98	241	97	112	471	406	227	Bacteria; Acidobacteria; Chloracidobacteria; RB41
Otu2087	0	1	1	3	1	0	3	0	2	2	0	2	Bacteria; TM6; SJA-4
Otu2086	0	0	2	3	0	0	0	0	0	2	1	0	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Sinobacteraceae; Nevskia
Otu2085	9	0	0	0	1	2	2	0	0	0	0	0	Bacteria; Gemmatimonadetes; Gemmatimonadetes
Otu2084	2	2	1	2	1	1	1	1	4	4	4	1	Bacteria; Actinobacteria; Acidimicrobiia; Acidimicrobiales
Otu2083	3	1	3	1	2	0	1	0	1	1	2	0	Bacteria; Chloroflexi; Chloroflexi; Roseiflexales; Kouleothrixaceae

#OTU ID	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	taxonomy
Otu2082	0	1	1	3	0	0	1	0	0	0	3	1	Bacteria; Chlamydiae; Chlamydiia; Chlamydiales
Otu2081	0	0	1	2	3	0	2	1	0	0	2	0	Bacteria; Armatimonadetes; Chthonomonadetes; SJA-22
Otu2080	3	0	0	0	2	0	0	1	0	0	0	0	Bacteria; Verrucomicrobia; Opitutae; Cerasiococcales; Cerasiococcaceae
Otu2089	3	2	5	3	1	0	2	3	2	0	1	0	Bacteria; Verrucomicrobia; Spartobacteria; Chthoniobacterales; Chthoniobacteraceae
Otu2088	0	0	0	1	0	4	5	5	3	0	0	2	Bacteria; Gemmatimonadetes; Gemmatimonadetes; Ellin5290

group	shared OTU_number/ uniuqe OTU_number	OTU_ID
Z31DSO	310	<p>Otu1022,Otu1046,Otu1066,Otu1137,Otu1145,Otu1151,Otu1202,Otu1224,Otu1234,Otu1266,Otu1272,Otu1303,Otu1332,Otu1347,Otu1397,Otu1405,Otu1413,Otu1449,Otu1548,Otu1575,Otu1577,Otu1660,Otu1678,Otu1699,Otu1702,Otu1716,Otu1728,Otu1729,Otu1730,Otu1738,Otu1762,Otu1825,Otu1840,Otu1843,Otu1848,Otu1850,Otu1854,Otu1858,Otu1860,Otu1864,Otu1867,Otu1881,Otu1891,Otu1909,Otu1929,Otu1931,Otu1934,Otu1940,Otu1960,Otu1973,Otu1975,Otu2038,Otu2042,Otu2048,Otu2056,Otu2063,Otu2079,Otu2094,Otu2098,Otu2105,Otu2135,Otu2169,Otu2170,Otu2172,Otu2182,Otu2190,Otu2193,Otu2196,Otu2209,Otu2212,Otu2213,Otu2218,Otu2228,Otu2240,Otu2250,Otu2251,Otu2254,Otu2258,Otu2263,Otu2264,Otu2269,Otu2276,Otu2277,Otu2308,Otu2312,Otu2315,Otu2326,Otu2329,Otu2332,Otu2339,Otu2340,Otu2359,Otu2360,Otu2375,Otu2382,Otu2385,Otu2391,Otu2392,Otu2398,Otu2404,Otu2408,Otu2413,Otu2429,Otu2436,Otu2441,Otu2445,Otu2448,Otu2451,Otu2460,Otu2476,Otu2480,Otu2481,Otu2484,Otu2487,Otu2512,Otu2514,Otu2531,Otu2532,Otu2534,Otu2544,Otu2549,Otu2551,Otu2558,Otu2560,Otu2571,Otu2574,Otu2575,Otu2577,Otu2579,Otu2581,Otu2591,Otu2595,Otu2597,Otu2598,Otu2599,Otu2605,Otu2607,Otu2612,Otu2614,Otu2618,Otu2624,Otu2633,Otu2641,Otu2643,Otu2660,Otu2668,Otu2671,Otu2673,Otu2688,Otu2690,Otu2700,Otu2706,Otu2720,Otu2730,Otu2738,Otu2739,Otu2753,Otu2759,Otu2765,Otu2766,Otu2771,Otu2782,Otu2785,Otu2793,Otu2797,Otu2805,Otu2809,Otu2812,Otu2814,Otu2817,Otu2821,Otu2830,Otu2839,Otu2841,Otu2845,Otu2852,Otu2855,Otu2860,Otu2876,Otu2885,Otu2886,Otu2887,Otu2890,Otu2899,Otu2901,Otu2907,Otu2908,Otu2909,Otu2915,Otu2921,Otu2922,Otu2930,Otu2931,Otu2937,Otu2942,Otu2949,Otu2951,Otu2954,Otu2965,Otu2967,Otu2976,Otu3006,Otu3013,Otu3017,Otu3021,Otu3028,Otu3034,Otu3036,Otu3037,Otu3040,Otu3044,Otu3046,Otu3048,Otu3055,Otu3064,Otu3065,Otu3071,Otu3080,Otu3083,Otu3084,Otu3085,Otu3095,Otu3106,Otu3111,Otu3114,Otu3117,Otu3125,Otu3129,Otu3131,Otu3143,Otu3146,Otu3147,Otu3150,Otu3160,Otu3164,Otu3169,Otu3171,Otu3179,Otu3184,Otu3185,Otu3186,Otu3193,Otu3197,Otu3210,Otu3213,Otu3224,Otu3225,Otu3230,Otu3241,Otu3243,Otu3257,Otu3264,Otu3267,Otu3269,Otu3278,Otu3281,Otu3282,Otu3285,Otu3287,Otu3290,Otu3299,Otu3302,Otu3304,Otu3309,Otu3311,Otu3312,Otu3315,Otu3321,Otu3322,Otu3329,Otu3331,Otu3344,Otu3353,Otu3363,Otu3366,Otu3367,Otu3369,Otu3377,Otu3386,Otu3396,Otu3408,Otu3414,Otu3416,Otu3422,Otu3424,Otu3425,Otu3427,Otu3428,Otu3432,Otu3440,Otu3443,Otu3454,Otu3459,Otu3462,Otu3469,Otu3471,Otu3473,Otu3474,Otu3479,Otu3481,Otu3487,Otu423,Otu433,Otu453,Otu649,Otu650,Otu861,Otu903,Otu906,Otu950</p>
Z31J1DSO	143	<p>Otu1001,Otu1271,Otu1284,Otu1314,Otu1361,Otu1476,Otu1536,Otu1557,Otu1565,Otu1694,Otu1710,Otu1713,Otu1732,Otu1752,Otu1760,Otu1769,Otu1784,Otu1834,Otu1841,Otu1844,Otu1846,Otu1894,Otu1896,Otu1908,Otu1915,Otu1936,Otu2069,Otu2077,Otu2109,Otu2118,Otu2120,Otu2163,Otu2164,Otu2198,Otu2207,Otu2211,Otu2243,Otu2253,Otu2267,Otu2287,Otu2298,Otu2334,Otu2346,Otu2347,Otu2357,Otu2371,Otu2387,Otu2419,Otu2424,Otu2425,Otu2428,Otu2432,Otu2459,Otu2482,Otu2485,Otu2488,Otu2490,Otu2494,Otu2503,Otu2525,Otu2529,Otu2535,Otu2556,Otu2561,Otu2569,Otu2570,Otu2578,Otu2585,Otu2604,Otu2606,Otu2616,Otu2636,Otu2656,Otu2696,Otu2702,Otu2716,Otu2725,Otu2743,Otu2746,Otu2761,Otu2788,Otu2806,Otu2880,Otu2895,Otu2898,Otu2924,Otu2943,Otu2953,Otu2961,Otu2974,Otu2994,Otu3003,Otu3004,Otu3018,Otu3030,Otu3033,Otu3039,Otu3072,Otu3076,Otu3077,Otu3079,Otu3086,Otu3089,Otu3096,Otu3101,Otu3107,Otu3126,Otu3127,Otu3128,Otu3130,Otu3158,Otu3183,Otu3215,Otu3221,Otu3237,Otu3255,Otu326,Otu3268,Otu3310,Otu3323,Otu3327,Otu3340,Otu3341,Otu3347,Otu3348,Otu3364,Otu3368,Otu338,Otu3381,Otu3388,Otu3391,Otu3398,Otu3410,Otu3412,Otu3415,Otu3438,Otu3441,Otu3445,Otu3447,Otu3449,Otu582,Otu591,Otu764</p>

Table S5. Comparison of alpha diversity of rhizosphere soils between glyphosate treated transgenic soybean line Z31 and its control line Z31 in pod-setting stage.

Alpha diversity	Rhizosphere of glyphosate treated line Z31 (Z31J1DRh)		Rhizosphere of the control line Z31 (Z31DRh)		<i>p</i> -value (Wilcoxon) ²
	Mean	SD ¹	Mean	SD ¹	
Observed OTU number	2518	262.34	2340	218.95	0.30952
Chao 1	2818.32	206.99	2689.36	192.89	0.30952
ACE	2880.83	204.10	2741.20	210.66	0.30952
Shannon	6.19996	0.21245	6.11519	0.28287	0.58874
Simpson	0.00707	0.00284	0.00859	0.00513	0.69913

¹ SD means standard deviation.

² The significance test method is Wilcoxon Rank-Sum Test.

Table S6. Comparison of alpha diversity of surrounding soils between glyphosate treated transgenic soybean line Z31 and its control line Z31 in pod-setting stage.

Alpha diversity	Surrounding soil of glyphosate treated line Z31 (Z31J1DSO)		Surrounding soil of the control line Z31 (Z31DSO)		<i>p</i> -value (Wilcoxon) ²
	Mean	SD ¹	Mean	SD ¹	
Observed OTU number	2224	154.98	2171	201.23	0.5887
Chao 1	2568.98	97.90	2548.90	139.03	0.69913
ACE	2612.08	96.49	2567.72	144.55	0.58874
Shannon	6.29488	0.07906	6.16241	0.17981	0.17965
Simpson	0.00540	0.00129	0.00594	0.00134	0.69913

¹ SD means standard deviation.

² The significance test method is Wilcoxon Rank-Sum Test.

Table S7. Differentially relative abundances of bacterial phyla, classes and families between Z31&Z31J1 under systematic contrast(16S)

Phylum	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	p -value	FDR	Phylum	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	p -value	FDR
<i>Proteobacteria</i>	38.081640	0.188697	1.773401	37.919398	0.278392	2.154034	0.933939	0.953818	<i>Proteobacteria</i>	26.953130	0.055287	0.95992	26.912121	0.107206	1.336702	0.94977	0.94977
<i>Bacteroidetes</i>	19.147369	0.222783	1.926929	17.033245	0.568928	3.079308	0.599576	0.841594	<i>Bacteroidetes</i>	13.745794	0.031685	0.726689	16.049835	0.232053	1.966609	0.28726	0.65555
<i>Acidobacteria</i>	15.643221	0.167131	1.668987	18.036485	0.270022	2.121406	0.400061	0.685819	<i>Acidobacteria</i>	23.831791	0.038456	0.800579	24.472932	0.097794	1.276673	0.6621	0.77486
<i>Verrucomicrobia</i>	7.014079	0.018906	0.561336	5.703316	0.007703	0.358302	0.056667	0.467114	<i>Verrucomicrobia</i>	7.883529	0.003094	0.227094	6.499706	0.015777	0.512785	0.03358	0.5373
<i>Planctomycetes</i>	4.869870	0.010942	0.427038	5.241979	0.014781	0.496337	0.607818	0.841594	<i>Planctomycetes</i>	5.223058	0.006057	0.317729	4.680021	0.003951	0.256601	0.207	0.65555
<i>Actinobacteria</i>	4.613389	0.011531	0.438383	4.999473	0.020974	0.591243	0.637273	0.846357	<i>Actinobacteria</i>	6.579834	0.030387	0.711654	6.734844	0.064987	1.040728	0.87168	0.8998
<i>Chloroflexi</i>	3.005337	0.007121	0.344508	2.671856	0.008625	0.37915	0.547939	0.821908	<i>Chloroflexi</i>	6.219373	0.049458	0.907909	4.333134	0.018598	0.556751	0.10765	0.65555
<i>Gemmatimonadetes</i>	2.341397	0.003472	0.240566	3.429752	0.009779	0.403711	0.030939	0.467114	<i>Gemmatimonadetes</i>	3.595855	0.007162	0.345496	4.152964	0.000656	0.104598	0.15129	0.65555
<i>Armatimonadetes</i>	1.125770	0.000333	0.074477	0.984257	0.001464	0.156216	0.438455	0.717472	<i>Armatimonadetes</i>	1.118260	0.000605	0.10038	1.142159	0.001086	0.134532	0.8571	0.8998
<i>Cyanobacteria</i>	1.103534	0.020409	0.583225	0.279285	0.000172	0.053538	0.175121	0.467114	<i>Cyanobacteria</i>	0.948873	0.002534	0.205489	0.737345	0.001844	0.175292	0.43761	0.70282
<i>Nitrospirae</i>	0.701020	0.001116	0.136398	0.722921	0.000595	0.099618	0.888667	0.953818	<i>Nitrospirae</i>	0.859211	0.000577	0.098046	0.740864	0.000348	0.076195	0.35055	0.65986
<i>Firmicutes</i>	0.605389	0.000176	0.054108	0.939715	0.002747	0.213965	0.145545	0.467114	<i>Firmicutes</i>	1.025537	0.001758	0.171167	1.465142	0.001166	0.139379	0.07468	0.65555
<i>Unclassified</i>	0.546695	9.00E-05	0.038643	0.552321	0.000187	0.055766	0.918333	0.953818	<i>Unclassified</i>	0.515545	5.00E-05	0.028834	0.486765	0.000114	0.043589	0.57736	0.75613
<i>Chlamydiae</i>	0.175353	0.000105	0.041768	0.282466	0.000195	0.057001	0.145303	0.467114	<i>Chlamydiae</i>	0.298994	0.000173	0.053703	0.372160	6.50E-05	0.032823	0.26358	0.65555
<i>TM7</i>	0.172268	6.00E-06	0.010259	0.235024	0.000128	0.046207	0.207606	0.467114	<i>TM7</i>	0.138993	2.00E-05	0.018393	0.182691	1.50E-05	0.015576	0.10203	0.65555
<i>Elusimicrobia</i>	0.161498	6.80E-05	0.033644	0.241461	0.000105	0.04186	0.152515	0.467114	<i>Elusimicrobia</i>	0.232576	4.50E-05	0.027317	0.255978	8.70E-05	0.038118	0.61084	0.75613
<i>WS3</i>	0.153693	0.000151	0.050233	0.061129	3.30E-05	0.02344	0.102242	0.467114	<i>WS3</i>	0.154478	2.80E-05	0.021433	0.062375	1.40E-05	0.015274	0.00594	0.18992
<i>Chlorobi</i>	0.110242	1.60E-05	0.016285	0.113946	3.60E-05	0.024385	0.890758	0.953818	<i>Chlorobi</i>	0.191008	1.20E-05	0.014323	0.205956	4.30E-05	0.026684	0.61436	0.75613
<i>OD1</i>	0.088695	3.70E-05	0.024959	0.167844	0.000166	0.05267	0.196909	0.467114	<i>OD1</i>	0.102606	1.40E-05	0.015371	0.149532	3.70E-05	0.024737	0.13836	0.65555
<i>TM6</i>	0.074766	3.50E-05	0.023992	0.074032	1.40E-05	0.015401	0.953818	0.953818	<i>TM6</i>	0.086738	8.00E-06	0.011891	0.091836	7.00E-06	0.010643	0.73355	0.80943
<i>WPS-2</i>	0.055106	9.00E-06	0.011975	0.08314	6.00E-06	0.009748	0.076758	0.467114	<i>WPS-2</i>	0.036376	5.00E-06	0.008768	0.049519	5.00E-06	0.008899	0.30507	0.65555
<i>FBP</i>	0.033639	2.00E-06	0.006448	0.032932	2.00E-06	0.005249	0.917242	0.953818	<i>FBP</i>	0.018365	1.00E-06	0.003254	0.024764	1.00E-06	0.003523	0.20548	0.65555
<i>BRC1</i>	0.033311	2.00E-06	0.005724	0.028476	1.00E-06	0.003978	0.524758	0.82136	<i>BRC1</i>	0.024742	1.00E-06	0.003164	0.026609	0	0.001768	0.60152	0.75613
<i>Tenericutes</i>	0.032764	1.00E-06	0.003848	0.034502	7.00E-06	0.010585	0.87397	0.953818	<i>Tenericutes</i>	0.098607	2.50E-05	0.020567	0.068856	2.80E-05	0.021521	0.32865	0.65729
<i>Fibrobacteres</i>	0.031297	1.00E-06	0.00413	0.018172	2.00E-06	0.006052	0.080848	0.467114	<i>Fibrobacteres</i>	0.032945	5.00E-06	0.008749	0.028319	3.00E-06	0.007511	0.678	0.77486
<i>Spirochaetes</i>	0.02335	2.00E-06	0.005025	0.026302	3.00E-06	0.007556	0.770515	0.953818	<i>Spirochaetes</i>	0.030187	2.00E-06	0.006015	0.019624	3.00E-06	0.007307	0.27971	0.65555
<i>OP3</i>	0.022811	4.00E-06	0.008135	0.041978	2.10E-05	0.018924	0.379727	0.683509	<i>OP3</i>	0.024698	2.00E-06	0.00609	0.030468	1.00E-06	0.004794	0.46123	0.70282
<i>Fusobacteria</i>	0.017086	9.00E-06	0.012398	0.001347	0	0.001347	0.229273	0.485519	<i>Fusobacteria</i>	ND							
<i>AD3</i>	0.007463	0	0.001421	0.014223	1.00E-06	0.00405	0.126909	0.467114	<i>AD3</i>	0.014424	1.00E-06	0.002956	0.011556	0	0.002316	0.44852	0.70282
<i>FCPU426</i>	0.003797	0	0.001608	0.014439	2.00E-06	0.005368	0.066121	0.467114	<i>FCPU426</i>	0.005823	0	0.00263	0.00844	0	0.002184	0.44736	0.70282
<i>OP11</i>	0.003445	0	0.001306	0.008125	1.00E-06	0.003911	0.289091	0.547751	<i>OP11</i>	0.005174	0	0.002493	0.002399	0	0.00091	0.30729	0.65555
<i>WS2</i>	0.000531	0	0.000365	0.001098	0	0.001098	0.658278	0.846357	<i>WS2</i>	0.000581	0	0.000581	0	0	0	0.22947	0.65555
<i>GN02</i>	0.000173	0	0.000173	0.003261	0	0.002517	0.250424	0.500848	<i>GN02</i>	0.002893	0	0.001902	0.001082	0	0.00074	0.49224	0.71599
<i>NKB19</i>	0	0	0	0.000732	0	0.000732	0.187649	0.467114		ND							
<i>SBR1093</i>	0	0	0	0.000699	0	0.000699	0.187649	0.467114		ND							
<i>Thermi</i>	0	0	0	0.000671	0	0.000671	0.187649	0.467114		ND							

Note 1. The relative abundances of taxons, whose p-value were labeled by orange color, were significantly different ($p < 0.05$) between the transgenic soybean line ZUTS31 treated by with glyphosate (or simply Z31J1) versus Z31 treated by with water as control.

Note 2. ND = Not Detected.

Note 3. Digits with red color indicated that the relative abundances of the taxon was significantly different between Z31DRh and Z31J1DRh.

Table S7. Differentially relative abundance of bacterial phyla & classes between Z31&Z31J1 under systematic contrast(16S)

Class	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	p-vlaue	FDR	Class	mean of Z31J1DRO (%)	variance of Z31J1DRO (%)	std.err of Z31J1DRO (%)	mean of Z31J1DRO (%)	variance of Z31J1DRO (%)	std.err of Z31J1DRO (%)	p-vlaue	FDR
<i>Betaproteobacteria</i>	17.455971	0.105316	1.32486	18.715852	0.273845	2.136373	0.674763	0.915759	<i>Betaproteobacteria</i>	11.311726	0.015494	0.508167	11.165983	0.027417	0.675977	0.866392	0.925797
<i>Alphaproteobacteria</i>	10.718895	0.048095	0.89532	11.061916	0.006789	0.336388	0.769124	0.969385	<i>Alphaproteobacteria</i>	6.960561	0.024759	0.642374	7.70233	0.022114	0.607096	0.434928	0.761124
<i>Saprospirae</i>	9.884602	0.121358	1.4222	6.162623	0.014435	0.490497	0.023366	0.448524	<i>Saprospirae</i>	6.14265	0.012442	0.455367	5.801089	0.006696	0.340586	0.574969	0.822769
<i>Gammaproteobacteria</i>	6.231352	0.114506	1.38146	4.486325	0.012096	0.449004	0.275072	0.660173	<i>Gammaproteobacter</i>	4.810395	0.0031	0.227321	4.63635	0.006565	0.330785	0.683979	0.886639
<i>Acidobacteriia</i>	6.203373	0.006661	0.3332	9.709899	0.086258	1.199016	0.01233	0.448524	<i>Acidobacteriia</i>	9.967443	0.059746	0.997884	14.265329	0.063943	1.032333	0.010990	0.461664
<i>Chloracidobacteria</i>	4.537631	0.078855	1.1464	2.697094	0.013354	0.471766	0.165866	0.596062	<i>Chloracidobacteria</i>	7.256402	0.071153	1.08898	4.542056	0.025432	0.651056	0.049588	0.461664
<i>Sphingobacteriia</i>	4.180498	0.053407	0.94346	4.522974	0.297607	2.22713	0.906381	1	<i>Sphingobacteriia</i>	5.294259	0.067106	1.057562	6.464097	0.120753	1.418642	0.539082	0.820342
<i>Phycisphaerae</i>	3.756575	0.006792	0.33646	4.141317	0.009674	0.401537	0.52266	0.854632	<i>Phycisphaerae</i>	4.085359	0.00404	0.259478	3.724211	0.002998	0.223545	0.325711	0.68098
<i>Deltaproteobacteria</i>	3.497309	0.009339	0.39453	3.46069	0.007184	0.346022	0.949433	1	<i>Deltaproteobacteria</i>	3.699662	0.000728	0.110121	3.202453	0.001986	0.181924	0.034938	0.461664
<i>Actinobacteria</i>	3.389393	0.004424	0.27154	3.371274	0.022323	0.609961	0.973082	1	<i>Actinobacteria</i>	4.415468	0.028083	0.684143	4.072657	0.035859	0.773082	0.753464	0.925797
<i>Spartobacteria</i>	3.208331	0.021249	0.5951	2.386847	0.002547	0.206017	0.225835	0.625389	<i>Spartobacteria</i>	2.720665	0.001916	0.178684	2.080648	0.005661	0.307172	0.091361	0.461664
<i>Solibacteres</i>	2.713475	0.002605	0.20838	3.473984	0.01002	0.408665	0.117041	0.596062	<i>Solibacteres</i>	3.278048	0.003711	0.248702	3.411976	0.003738	0.249615	0.719959	0.910792
<i>Cytophagia</i>	2.638113	0.003214	0.23144	4.605912	0.045992	0.875517	0.041557	0.456496	<i>Cytophagia</i>	1.59583	0.004158	0.263251	1.665251	0.002838	0.217487	0.843856	0.925797
<i>Pedospaerae</i>	2.292208	0.003481	0.24087	2.467931	0.009042	0.388206	0.75334	0.96858	<i>Pedospaerae</i>	4.47853	0.002559	0.206528	3.76443	0.00509	0.291252	0.063082	0.461664
<i>Flavobacteriia</i>	2.234088	0.034012	0.75291	1.65216	0.035389	0.768	0.650814	0.911462	<i>Flavobacteriia</i>	0.586071	0.000719	0.109472	2.052236	0.054952	0.957009	0.155918	0.583492
<i>Gemmatimonadetes</i>	1.977103	0.001926	0.17915	2.964461	0.006625	0.332286	0.018041	0.448524	<i>Gemmatimonadetes</i>	3.022383	0.005709	0.308462	3.663555	0.000791	0.114814	0.069732	0.461664
<i>Anaerolineae</i>	1.565376	0.002792	0.21571	1.31439	0.003971	0.257256	0.514536	0.854632	<i>Anaerolineae</i>	4.589181	0.04074	0.824016	2.914933	0.01038	0.415942	0.089072	0.461664
<i>Unclassified</i>	1.466065	0.002682	0.21144	1.142485	0.000932	0.124631	0.220907	0.625389	<i>Unclassified</i>	1.265179	0.000644	0.103597	1.126265	0.000424	0.084022	0.330443	0.68098
<i>Acidobacteria-6</i>	1.29916	0.00508	0.29098	1.222452	0.002118	0.187904	0.858	1	<i>Acidobacteria-6</i>	1.897501	0.00745	0.352367	1.07284	0.000795	0.115076	0.043093	0.461664
<i>Thermoleophilia</i>	1.018295	0.002236	0.19306	1.418465	0.002003	0.182718	0.158876	0.596062	<i>Thermoleophilia</i>	1.823459	0.000609	0.100781	2.360233	0.004631	0.277813	0.088814	0.461664
<i>Opitutae</i>	0.873779	0.000221	0.06066	0.518329	7.30E-05	0.034916	0.000216	0.023328	<i>Opitutae</i>	0.583323	3.00E-05	0.022178	0.593597	0.000221	0.06064	0.875567	0.925797
<i>Planctomycetia</i>	0.863849	0.000665	0.10526	0.795463	0.000184	0.055339	0.628505	0.8996	<i>Planctomycetia</i>	0.863663	0.000254	0.065088	0.757219	0.000344	0.075742	0.320825	0.68098
<i>Nitrospira</i>	0.70102	0.001116	0.1364	0.722921	0.000595	0.099618	0.913402	1	<i>Nitrospira</i>	0.859211	0.000577	0.098046	0.740864	0.000348	0.076195	0.370515	0.712583
<i>Chthonomonadetes</i>	0.636733	9.70E-05	0.04027	0.495626	0.000306	0.071413	0.102876	0.596062	<i>Chthonomonadetes</i>	0.577791	0.000287	0.069208	0.493377	0.000235	0.062647	0.398474	0.733096
<i>Verrucomicrobiae</i>	0.608206	0.001884	0.1772	0.300263	0.001361	0.150606	0.21866	0.625389	<i>Verrucomicrobiae</i>	0.092404	1.40E-05	0.015261	0.052867	1.20E-05	0.014048	0.075495	0.461664
<i>iii1-8</i>	0.598308	0.000555	0.09622	0.554375	0.000498	0.091065	0.787289	0.975112	<i>iii1-8</i>	0.887099	0.001437	0.154753	0.712375	0.000252	0.064862	0.330474	0.68098
<i>Bacilli</i>	0.546372	0.000151	0.05016	0.88289	0.002895	0.219643	0.162485	0.596062	<i>Bacilli</i>	0.873029	0.001378	0.151574	1.267899	0.000737	0.110827	0.053021	0.461664
<i>Ktedonobacteria</i>	0.508611	0.000651	0.1042	0.633939	0.000261	0.065992	0.364649	0.787642	<i>Ktedonobacteria</i>	0.430159	0.00104	0.131661	0.46667	9.00E-05	0.038739	0.800289	0.925797
<i>Chloroflexi</i>	0.422077	8.40E-05	0.03746	0.267858	0.000156	0.05094	0.024918	0.448524	<i>Chloroflexi</i>	0.565148	0.00016	0.05165	0.372469	0.000596	0.099679	0.108072	0.461664
<i>Oscillatoriothycideae</i>	0.337274	0.002907	0.22013	0.029862	3.00E-05	0.022239	0.194722	0.600856	<i>Oscillatoriothycideae</i>	0.053802	7.30E-05	0.034951	0.032174	3.60E-05	0.024451	0.632691	0.839445
<i>Chloroplast</i>	0.257463	0.000563	0.09688	0.115893	2.60E-05	0.02088	0.181938	0.596062	<i>Chloroplast</i>	0.58094	0.000558	0.096424	0.463733	0.000585	0.098742	0.428505	0.761124
<i>Fimbrimonadia</i>	0.23918	6.70E-05	0.03346	0.301164	0.000422	0.083837	0.553928	0.854632	<i>Fimbrimonadia</i>	0.369464	0.000112	0.043243	0.505261	0.000683	0.106729	0.273268	0.68098
<i>Gemm-1</i>	0.22616	0.000106	0.04203	0.290769	0.000249	0.064424	0.460825	0.820395	<i>Gemm-1</i>	0.405866	0.00014	0.04837	0.322556	2.20E-05	0.018938	0.134165	0.54182
<i>TK10</i>	0.184673	2.20E-05	0.01922	0.205695	3.90E-05	0.025428	0.571103	0.86872	<i>TK10</i>	0.169071	9.00E-06	0.012422	0.177655	1.80E-05	0.017293	0.704124	0.901622
<i>Acidimicrobiia</i>	0.178729	3.40E-05	0.02373	0.193334	9.10E-05	0.039042	0.794536	0.975112	<i>Acidimicrobiia</i>	0.260725	1.90E-05	0.017818	0.252307	6.60E-05	0.033127	0.829371	0.925797
<i>Chlamydiia</i>	0.175353	0.000105	0.04177	0.282466	0.000195	0.057001	0.156031	0.596062	<i>Chlamydiia</i>	0.298994	0.000173	0.053703	0.37216	6.50E-05	0.032823	0.279505	0.68098
<i>Elusimicrobia</i>	0.160763	6.70E-05	0.03334	0.241095	0.000104	0.041627	0.15868	0.596062	<i>Elusimicrobia</i>	0.232576	4.50E-05	0.027317	0.255978	8.70E-05	0.038118	0.637495	0.839445
<i>PRR-12</i>	0.153693	0.000151	0.05023	0.061129	3.30E-05	0.02344	0.111856	0.596062	<i>PRR-12</i>	0.154478	2.80E-05	0.021433	0.062375	1.40E-05	0.015274	0.004412	0.461664
<i>Ellin6529</i>	0.126487	6.50E-05	0.03288	0.075668	2.40E-05	0.020195	0.221598	0.625389	<i>Ellin6529</i>	0.135292	1.70E-05	0.016795	0.095099	3.20E-05	0.023257	0.190845	0.658737
<i>C0119</i>	0.126275	1.10E-05	0.01368	0.105913	1.60E-05	0.016161	0.395598	0.791196	<i>C0119</i>	0.234887	3.40E-05	0.023793	0.230139	0.000111	0.043099	0.920412	0.938284

<i>TM1</i>	0.004768	0	0.00138	0.00671	0	0.001464	0.393763	0.791196
<i>SHA-37</i>	0.004189	0	0.00095	0.00429	0	0.001967	0.962289	1
<i>Gemm-2</i>	0.004006	0	0.00095	0.005554	0	0.001998	0.545814	0.854632
<i>OP11-3</i>	0.003445	0	0.00131	0.007452	1.00E-06	0.003901	0.386412	0.791196
<i>SBRH58</i>	0.003116	0	0.00249	0.004635	0	0.002633	0.729845	0.96858
<i>Leptospirae</i>	0.003081	0	0.00083	0.006044	1.00E-06	0.003959	0.523577	0.854632
<i>SJA-28</i>	0.001428	0	0.0009	0.00035	0	0.00035	0.31567	0.725369
<i>BPC102</i>	0.001112	0	0.00078	0	0	0	0.138432	0.596062
<i>JG37-AG-4</i>	0.001085	0	0.00041	0.001037	0	0.000697	1	1
<i>SJA-176</i>	0.000743	0	0.00074	0.000366	0	0.000366	1	1
<i>Endomicrobia</i>	0.000735	0	0.00074	0.000366	0	0.000366	1	1
<i>Methylacidiphilae</i>	0.000735	0	0.00074	0.000713	0	0.000452	1	1
<i>BSV26</i>	0.000714	0	0.00045	0.000732	0	0.000732	1	1
<i>SHA-109</i>	0.000531	0	0.00037	0.001098	0	0.001098	0.658278	0.911462
<i>Mb-NB09</i>	0.000383	0	0.00038	0.00818	1.00E-06	0.004701	0.118361	0.596062
<i>AT-s54</i>	0.000368	0	0.00037	0.003206	0	0.002226	0.248577	0.654788
<i>3BR-5F</i>	0.000173	0	0.00017	0.003261	0	0.002517	0.263804	0.660173
<i>CK-1C4-19</i>	0.000173	0	0.00017	0.001133	0	0.001133	0.322729	0.72614
<i>At12OctB3</i>	0	0	0	0.001345	0	0.000995	0.035212	0.456496
<i>Deinococci</i>	0	0	0	0.000671	0	0.000671	0.187649	0.596062
<i>OP11-4</i>	0	0	0	0.000673	0	0.000673	0.187649	0.596062
<i>Verruco-5</i>	0	0	0	0.000732	0	0.000732	0.187649	0.596062

Note 1. SUM of relative abundances of major bacterial classes in Z31DRh and Z31J1DRh

98.7044

98.618589

Note 2. SUM of relative abundances of major bacterial classes in Z31DSO and Z31J1DSO.

98.254213

98.360744

Note 3. Digits with red color indicated that the relative abundances of the taxon was significantly different between Z31DRh and Z31J1DRh.

<i>Rhodocyclaceae</i>	0.383889	0.001032	0.131158	0.281264	0.000406	0.082296	0.568515	0.86472
<i>Kouleothrixaceae</i>	0.359628	9.50E-05	0.039784	0.227863	8.20E-05	0.037027	0.024613	0.41462
<i>Phormidiaceae</i>	0.337274	0.002907	0.220126	0.029862	3.00E-05	0.022239	0.18327	0.65758
<i>Gemmataceae</i>	0.328655	7.30E-05	0.034997	0.316873	3.60E-05	0.024462	0.815202	0.9705
<i>Rhizobiaceae</i>	0.322539	0.00021	0.059209	0.17913	0.000157	0.05112	0.081067	0.55399
<i>Pirellulaceae</i>	0.258828	8.10E-05	0.036716	0.220628	3.70E-05	0.024912	0.452571	0.82743
<i>Frankiaceae</i>	0.249466	0.00033	0.074161	0.316287	0.000377	0.079292	0.602871	0.88343
<i>Fimbrimonadaceae</i>	0.23918	6.70E-05	0.033463	0.301164	0.000422	0.083837	0.554902	0.86182
<i>Paenibacillaceae</i>	0.233197	0.00019	0.056264	0.530909	0.002833	0.217295	0.205067	0.65758
<i>Polyangiaceae</i>	0.209134	1.50E-05	0.015812	0.232221	3.60E-05	0.024371	0.490387	0.82987
<i>Syntrophobacteraceae</i>	0.197707	0.000179	0.054604	0.189272	0.000143	0.048819	0.918804	0.9705
<i>Acetobacteraceae</i>	0.192459	2.00E-05	0.018036	0.246752	4.30E-05	0.026833	0.107988	0.57488
<i>Intrasporangiaceae</i>	0.191243	3.40E-05	0.023857	0.179467	3.20E-05	0.022943	0.766282	0.94998
<i>Planctomycetaceae</i>	0.190599	5.30E-05	0.029633	0.149924	8.00E-06	0.011341	0.223356	0.66033
<i>Planococcaceae</i>	0.181657	5.40E-05	0.029875	0.195635	0.000114	0.043561	0.822859	0.9705
<i>Pseudonocardiaceae</i>	0.18106	5.00E-05	0.028905	0.247874	0.000367	0.078207	0.485957	0.82987
<i>0319-6A21</i>	0.170247	0.000144	0.049018	0.115315	5.10E-05	0.029105	0.392497	0.78129
<i>Methylophilaceae</i>	0.155167	2.40E-05	0.020046	0.293225	0.000186	0.055621	0.028669	0.41462
<i>auto67_4W</i>	0.143322	4.70E-05	0.028061	0.105744	1.70E-05	0.016975	0.281933	0.67324
<i>Phyllobacteriaceae</i>	0.142944	1.20E-05	0.014201	0.139812	4.60E-05	0.027747	0.927601	0.9705
<i>Myxococcaceae</i>	0.140741	2.60E-05	0.020726	0.23959	0.000161	0.051826	0.091687	0.55399
<i>Mycobacteriaceae</i>	0.131889	5.70E-05	0.030742	0.088811	1.20E-05	0.014095	0.22619	0.66033
<i>Nitrosomonadaceae</i>	0.125021	2.80E-05	0.021634	0.186274	3.10E-05	0.022648	0.062571	0.51479
<i>Xanthobacteraceae</i>	0.119016	8.90E-05	0.038414	0.055349	1.00E-06	0.004733	0.114387	0.58686
<i>Bdellovibrionaceae</i>	0.117312	2.70E-05	0.02106	0.098827	5.00E-06	0.008828	0.482012	0.82987
<i>Bacillaceae</i>	0.110387	2.70E-05	0.021103	0.12577	2.80E-05	0.021467	0.667061	0.89628
<i>Neisseriaceae</i>	0.109256	0.00013	0.046527	0.146455	0.000116	0.043913	0.62216	0.88343
<i>Armatimonadaceae</i>	0.096176	1.10E-05	0.013589	0.051499	4.00E-06	0.007719	0.010521	0.41462
<i>PRR-10</i>	0.093093	7.10E-05	0.034503	0.031137	6.00E-06	0.010113	0.099497	0.57488
<i>Alcaligenaceae</i>	0.089824	3.80E-05	0.025049	0.051023	3.20E-05	0.023244	0.286319	0.67324
<i>Micrococcaceae</i>	0.087959	1.90E-05	0.017891	0.095749	4.00E-06	0.008472	0.73908	0.93467
<i>Dolo_23</i>	0.081945	3.00E-06	0.006747	0.075933	7.00E-06	0.010719	0.689933	0.90491
<i>Isosphaeraceae</i>	0.081316	1.10E-05	0.013393	0.101551	9.00E-06	0.012349	0.298577	0.67324
<i>mitochondria</i>	0.079011	5.00E-06	0.009086	0.070817	5.00E-06	0.009514	0.597577	0.88343
<i>Microbacteriaceae</i>	0.077472	1.00E-05	0.012707	0.053545	1.80E-05	0.0175	0.300031	0.67324
<i>UD5</i>	0.067529	4.00E-06	0.007655	0.068306	3.00E-06	0.006699	0.943577	0.97593
<i>Nannocystaceae</i>	0.058752	0.000165	0.052361	0.002733	0	0.001926	0.31735	0.68381
<i>Cryomorphaceae</i>	0.057496	2.30E-05	0.019385	0.02051	6.00E-06	0.010148	0.105436	0.57488
<i>EB1017</i>	0.050679	3.00E-06	0.006573	0.051327	2.00E-06	0.005232	0.943025	0.97593
<i>Pseudanabaenaceae</i>	0.047161	4.60E-05	0.027595	0.005523	0	0.002289	0.149577	0.60311
<i>Solirubrobacteraceae</i>	0.045902	1.00E-05	0.013103	0.041312	3.00E-06	0.006958	0.795319	0.96613
<i>mb2424</i>	0.044116	6.00E-06	0.010103	0.020243	1.00E-06	0.003832	0.037166	0.42044
<i>Moraxellaceae</i>	0.039652	1.60E-05	0.016119	0.015193	2.00E-06	0.005268	0.166982	0.65704
<i>Conexibacteraceae</i>	0.039417	1.00E-06	0.003401	0.076129	4.70E-05	0.027995	0.216607	0.65758

<i>Brucellaceae</i>	0.038937	1.40E-05	0.015502	0.013809	2.00E-06	0.005434	0.142466	0.60311
<i>Rhabdochlamydiaceae</i>	0.037935	7.00E-06	0.01111	0.058469	8.00E-06	0.011266	0.217982	0.65758
<i>Patulibacteraceae</i>	0.037033	2.00E-06	0.005039	0.045067	3.00E-06	0.007154	0.418761	0.79788
<i>Ktedonobacteraceae</i>	0.035235	1.00E-05	0.012833	0.045315	2.00E-06	0.005571	0.537123	0.85139
<i>Cystobacterineae</i>	0.033694	3.00E-06	0.006767	0.031614	8.00E-06	0.011203	0.891411	0.9705
<i>Anaerolinaceae</i>	0.03301	3.00E-06	0.007598	0.01321	0	0.002756	0.023669	0.41462
<i>Nostocaceae</i>	0.032915	1.20E-05	0.013846	0.003095	0	0.001544	0.04365	0.42074
<i>Nocardiaceae</i>	0.030018	3.00E-06	0.007356	0.017685	3.00E-06	0.007267	0.260669	0.66214
<i>Methylobacteriaceae</i>	0.029682	1.00E-06	0.003722	0.026807	1.00E-06	0.004554	0.680926	0.89962
<i>Geobacteraceae</i>	0.028744	7.00E-06	0.010833	0.046767	9.80E-05	0.040407	0.716466	0.91972
<i>Clostridiaceae</i>	0.028712	1.00E-06	0.004108	0.034365	5.00E-06	0.008901	0.624748	0.88343
<i>HTCC2089</i>	0.027906	3.00E-06	0.006791	0.019917	2.00E-06	0.005317	0.414571	0.79788
<i>Caldilineaceae</i>	0.025523	1.00E-06	0.004351	0.014538	0	0.002851	0.046491	0.42074
<i>RB40</i>	0.024872	8.00E-06	0.011384	0.037036	3.00E-06	0.006782	0.418779	0.79788
<i>C111</i>	0.024597	1.00E-06	0.004846	0.026633	9.00E-06	0.012	0.892368	0.9705
<i>Anaeroplasmataceae</i>	0.02387	1.00E-06	0.00341	0.03303	7.00E-06	0.010829	0.483221	0.82987
<i>Bacteriovoraceae</i>	0.021353	2.00E-06	0.005956	0.006342	0	0.002117	0.026595	0.41462
<i>Spirochaetaceae</i>	0.020269	1.00E-06	0.004528	0.020258	1.00E-06	0.00485	0.992914	1
<i>Geodermatophilaceae</i>	0.020214	1.00E-06	0.003071	0.035425	1.00E-06	0.003865	0.007098	0.41462
<i>Alteromonadaceae</i>	0.019965	2.00E-06	0.00603	0.016187	1.00E-06	0.004096	0.661834	0.89628
<i>FFCH4570</i>	0.018429	1.00E-06	0.003359	0.035451	3.00E-06	0.006483	0.028847	0.41462
<i>Piscirickettsiaceae</i>	0.017763	2.00E-06	0.005191	0.014404	1.00E-06	0.00409	0.668933	0.89628
<i>Legionellaceae</i>	0.017262	2.00E-06	0.005122	0.007608	0	0.001568	0.085387	0.55399
<i>Fusobacteriaceae</i>	0.017086	9.00E-06	0.012398	0.000673	0	0.000673	0.208448	0.65758
<i>Erythrobacteraceae</i>	0.015452	0	0.002861	0.023422	0	0.001832	0.028196	0.41462
<i>Cerasiococcaceae</i>	0.015233	6.00E-06	0.009954	0.011175	1.00E-06	0.003312	0.743601	0.93467
<i>Alicyclobacillaceae</i>	0.013967	0	0.001866	0.015097	0	0.002821	0.779853	0.95374
<i>0319-6G20</i>	0.011928	1.00E-06	0.003555	0.004755	0	0.001935	0.091393	0.55399
<i>Thermogemmatimonas</i>	0.011231	1.00E-06	0.003515	0.023942	6.00E-06	0.010088	0.261767	0.66214
<i>Actinosynnemataceae</i>	0.009202	1.00E-06	0.002951	0.008458	0	0.002554	0.870865	0.9705
<i>Parachlamydiaceae</i>	0.009062	1.00E-06	0.003861	0.008412	0	0.002219	0.899092	0.9705
<i>EB1003</i>	0.00849	0	0.001859	0.01045	1.00E-06	0.004065	0.711681	0.91972
<i>Procabacteriaceae</i>	0.007977	1.00E-06	0.00444	0.025615	1.50E-05	0.015888	0.317344	0.68381
<i>Bacteroidaceae</i>	0.007791	4.00E-06	0.007791	0.000338	0	0.000338	0.395994	0.78129
<i>Aurantimonadaceae</i>	0.00755	0	0.002694	0.004101	0	0.002836	0.439859	0.82167
<i>OM27</i>	0.007056	1.00E-06	0.003205	0.006432	0	0.002215	0.890656	0.9705
<i>Holophagaceae</i>	0.006933	0	0.002033	0.033618	1.30E-05	0.014936	0.091822	0.55399
<i>Methylocystaceae</i>	0.006006	0	0.001734	0.004207	0	0.001113	0.444883	0.82167
<i>Sporichthyaceae</i>	0.005838	0	0.001384	0.007646	1.00E-06	0.003192	0.660939	0.89628
<i>Aeromonadaceae</i>	0.005787	1.00E-06	0.003812	0.002403	0	0.001216	0.463687	0.82987
<i>Hyphomonadaceae</i>	0.005684	1.00E-06	0.003435	0.004945	0	0.002641	0.882859	0.9705
<i>Entotheonellaceae</i>	0.005449	0	0.002192	0.005971	0	0.001452	0.866362	0.9705
<i>Nakamurellaceae</i>	0.005393	0	0.001319	0.010123	1.00E-06	0.004004	0.292141	0.67324
<i>Peptococcaceae</i>	0.005296	0	0.002266	0.003559	0	0.001183	0.558693	0.86182

<i>Rubrobacteraceae</i>	0.005261	0	0.001756	0.005303	0	0.002474	0.983577	1
<i>Phycisphaeraceae</i>	0.005126	0	0.001284	0.004183	0	9.00E-04	0.610926	0.88343
<i>Shewanellaceae</i>	0.004819	0	0.002763	0.010511	0	0.002204	0.121896	0.5963
<i>Lachnospiraceae</i>	0.004793	0	0.002532	0.002416	0	0.000976	0.442822	0.82167
<i>Chlamydomonadaceae</i>	0.004636	0	0.001173	0.00524	0	0.00165	0.801847	0.96756
<i>5B-12</i>	0.004292	0	0.001129	0.00349	0	0.00176	0.758245	0.9465
<i>NB1-i</i>	0.004188	0	0.001952	0.002908	0	0.00136	0.648939	0.89628
<i>Streptosporangiaceae</i>	0.004151	0	0.001888	0.003127	0	0.000678	0.667656	0.89628
<i>Pedosphaeraceae</i>	0.003779	0	0.001893	0.007474	0	0.002405	0.256202	0.66214
<i>Thermoactinomyces</i>	0.003653	0	0.001584	0.003185	0	0.00095	0.830933	0.9705
<i>Cellulomonadaceae</i>	0.003461	0	0.00249	0.000675	0	0.000427	0.301564	0.67324
<i>Rickettsiaceae</i>	0.003409	0	0.001506	0.007516	1.00E-06	0.002925	0.237785	0.66214
<i>Ruminococcaceae</i>	0.003249	0	0.000895	0.001352	0	0.001004	0.177221	0.65758
<i>Amoebophilaceae</i>	0.003125	0	0.002292	0.002761	0	0.001012	0.899387	0.9705
<i>Leptospiraceae</i>	0.003081	0	0.000827	0.006044	1.00E-06	0.003959	0.529663	0.85139
<i>Kineosporiaceae</i>	0.003063	0	0.000718	0.003856	0	0.000848	0.540147	0.85139
<i>Mycoplasmataceae</i>	0.002909	1.00E-06	0.002909	0	0	0	0.35584	0.72368
<i>Thermomonosporaceae</i>	0.002897	0	0.001083	0.001421	0	0.000691	0.280975	0.67324
<i>S47</i>	0.002869	0	0.001542	0.000732	0	0.000732	0.236184	0.66214
<i>AKIW659</i>	0.002444	0	0.001842	0.001741	0	0.000846	0.772331	0.95097
<i>Cystobacteraceae</i>	0.002341	0	0.000813	0.001711	0	0.000963	0.673448	0.89628
<i>Peptostreptococcaceae</i>	0.002282	0	0.001127	0.002064	0	0.000904	0.902847	0.9705
<i>Oscillochloridaceae</i>	0.002163	0	0.001755	0	0	0	0.243595	0.66214
<i>R4-41B</i>	0.002163	0	0.000969	0.001742	0	0.001123	0.810129	0.9705
<i>Bryobacteraceae</i>	0.001959	0	0.000967	0.003094	0	0.001267	0.540939	0.85139
<i>Gracilibacteraceae</i>	0.001811	0	0.000364	0.001359	0	0.000674	0.617767	0.88343
<i>FFCH7168</i>	0.001747	0	0.00087	0.001039	0	0.000699	0.589675	0.88343
<i>Beijerinckiaceae</i>	0.001436	0	0.000729	0.001025	0	0.000458	1	1
<i>Beutenbergiaceae</i>	0.001433	0	0.001433	0	0	0	0.138432	0.60311
<i>JTB36</i>	0.001304	0	0.000749	0.004264	0	0.001175	0.045074	0.42074
<i>AKIW874</i>	0.001276	0	0.001082	0	0	0	0.138432	0.60311
<i>Rhodobiaceae</i>	0.000937	0	0.000751	0.001742	0	0.001123	0.305005	0.67324
<i>Syntrophomonadaceae</i>	0.00089	0	0.000703	0	0	0	0.263392	0.66214
<i>kpj58rc</i>	0.000887	0	0.000702	0	0	0	0.263392	0.66214
<i>FW</i>	0.000887	0	0.000573	0.000366	0	0.000366	0.39712	0.78129
<i>MVS-65</i>	0.000766	0	0.000766	0	0	0	0.508928	0.82987
<i>Blattabacteriaceae</i>	0.000743	0	0.000743	0	0	0	0.508928	0.82987
<i>Caldicoprobacteraceae</i>	0.000735	0	0.000735	0	0	0	0.508928	0.82987
<i>Simkaniaceae</i>	0.000735	0	0.000735	0	0	0	0.508928	0.82987
<i>SHA-31</i>	0.000735	0	0.000735	0.000337	0	0.000337	1	1
<i>Veillonellaceae</i>	0.000346	0	0.000346	0.003745	1.00E-06	0.003312	0.345123	0.72368
<i>Desulfovibrionaceae</i>	0.000346	0	0.000346	0	0	0	0.508928	0.82987
<i>Criblamydiaceae</i>	0.000342	0	0.000342	0.000671	0	0.000671	1	1
<i>Promicromonospora</i>	0.000171	0	0.000171	0.004492	0	0.002548	0.105	0.57488

<i>Streptococcaceae</i>	0.000171	0	0.000171	0.007826	3.00E-06	0.006959	0.303147	0.67324
<i>Gemellaceae</i>	0	0	0	0.001684	0	0.001684	0.015253	0.41462
<i>211ds20</i>	0	0	0	0.001405	0	0.00089	0.035212	0.42044
<i>Prevotellaceae</i>	0	0	0	0.002947	0	0.001588	0.076988	0.55399
<i>Turicibacteraceae</i>	0	0	0	0.001015	0	0.001015	0.081286	0.55399
<i>Deinococcaceae</i>	0	0	0	0.000671	0	0.000671	0.187649	0.65758
<i>Leptotrichiaceae</i>	0	0	0	0.000673	0	0.000673	0.187649	0.65758
<i>Hydrogenophilaceae</i>	0	0	0	0.009169	3.00E-06	0.007472	0.248209	0.66214
<i>Saprosiraceae</i>	0	0	0	0.00306	0	0.002645	0.273472	0.67324
<i>Desulfobulbaceae</i>	0	0	0	0.002196	0	0.002196	0.35584	0.72368
<i>Pasteurellaceae</i>	0	0	0	0.004377	1.00E-06	0.004377	0.35584	0.72368

Note 1. SUM of relative abundances of major bacterial families in Z31DRh and Z31J1DRh

82.976674

82.556299

Note 1. SUM of relative abundances of major bacterial families in Z31DSO and Z31J1DSO.

76.756124

78.387135

Note 3. Digits with red color indicated that the relative abundances of the taxon was significantly different between Z31DRh and Z31J1DRh.

Table S8. Differentially relative abundance of bacterial genera between Z31DRh & Z31J1DRh under systematic contrast(16S)

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	p -value	FDR	Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	p -value	FDR
<i>Candidatus_Koribacter</i>	2.172926	0.002582	0.207426	3.637111	0.014839	0.497307	0.013264	0.514066	<i>Candidatus_Koribacter</i>	3.421781	0.01233	0.45333	5.096233	0.01414	0.48546	0.023082	0.702747
<i>Burkholderia</i>	0.805959	0.000786	0.11448	1.139264	0.000774	0.113578	0.047444	0.546803	<i>Burkholderia</i>	0.370188	0.000192	0.056543	0.503716	0.000198	0.057432	0.116462	0.702747
<i>Opitutus</i>	0.695120	0.000104	0.041533	0.412054	0.000129	0.046415	0.000573	0.125487	<i>Opitutus</i>	0.475873	6.00E-05	0.031692	0.517703	0.000216	0.059956	0.591351	0.913906
<i>Comamonas</i>	0.308888	0.000393	0.080947	0.110912	2.30E-05	0.019509	0.025713	0.514066	<i>Comamonas</i>	0.126141	0.000102	0.041257	0.144225	0.000139	0.048059	0.798602	1
<i>Dyella</i>	0.099063	6.30E-05	0.032422	0.028736	1.00E-06	0.003557	0.039713	0.543572	<i>Dyella</i>	0.039208	1.40E-05	0.015163	0.021757	3.00E-06	0.007066	0.341327	0.787755
<i>OR-59</i>	0.067893	7.00E-06	0.011041	0.03055	3.00E-06	0.006844	0.009719	0.514066	<i>OR-59</i>	0.054524	1.30E-05	0.01447	0.016748	2.00E-06	0.006171	0.028825	0.702747
<i>Enterobacter</i>	0.066067	4.90E-05	0.028574	0.001105	0	0.000767	0.031022	0.514066	ND								
<i>Segetibacter</i>	0.040253	3.00E-06	0.00689	0.072439	7.00E-06	0.010432	0.017831	0.514066	<i>Segetibacter</i>	0.065594	3.00E-06	0.006941	0.088632	1.00E-05	0.012863	0.137047	0.711163
<i>Siphonobacter</i>	0.037072	5.00E-06	0.009113	0.010529	2.00E-06	0.005806	0.022287	0.514066	<i>Siphonobacter</i>	0.003434	0	0.002278	0.006356	0	0.00139	0.315456	0.787755
<i>Thermomonas</i>	0.027731	1.00E-06	0.003895	0.053956	3.00E-06	0.007108	0.005146	0.514066	<i>Thermomonas</i>	0.040615	2.00E-06	0.005484	0.02363	0	0.00172	0.010035	0.524352
<i>Actinoplanes</i>	0.021183	2.00E-06	0.00503	0.008602	0	0.002575	0.034039	0.514066	<i>Actinoplanes</i>	0.00935	1.00E-06	0.004652	0.003874	0	0.001968	0.320994	0.787755
<i>Devosia</i>	0.005737	0	0.001684	0.001362	0	0.000679	0.024118	0.514066	<i>Devosia</i>	0	0	0	0.002201	0	0.002201	0.362965	0.804319
<i>Peredibacter</i>	0.004971	0	0.001574	0.001077	0	0.000725	0.032820	0.514066	ND								
<i>Acanthamoeba</i>	0.000541	0	0.000374	0.003794	0	0.001329	0.026646	0.514066	<i>Acanthamoeba</i>	0.010259	1.00E-06	0.00358	0.006909	1.00E-06	0.00324	0.545632	0.913906
<i>Rothia</i>	0	0	0	0.001684	0	0.001684	0.015252	0.514066	ND								
<i>Aggregatibacter</i>	0	0	0	0.001347	0	0.001347	0.035210	0.514066	ND								
<i>Desulfobulbus</i>	0	0	0	0.001464	0	0.001464	0.035210	0.514066	ND								
<i>Planctomyces</i>	0.190633	5.30E-05	0.029636	0.149954	8.00E-06	0.011348	0.215382	0.649378	<i>Planctomyces</i>	0.144524	1.40E-05	0.015435	0.085474	4.00E-06	0.008611	0.004895	0.524352
<i>Luteolibacter</i>	0.147817	0.000352	0.076622	0.040844	2.50E-05	0.020348	0.188506	0.63512	<i>Luteolibacter</i>	0.023406	2.00E-06	0.005079	0.004806	1.00E-06	0.003817	0.010450	0.524352
<i>Dokdonella</i>	0.309687	0.001932	0.179425	0.204075	0.000724	0.109839	0.694202	0.945884	<i>Dokdonella</i>	0.090495	1.40E-05	0.015086	0.043861	2.00E-06	0.005544	0.010924	0.524352
<i>Azospirillum</i>	0.040289	2.70E-05	0.021146	0.003953	0	0.001598	0.091242	0.546803	<i>Azospirillum</i>	0.004117	0	0.000712	0.001491	0	0.00074	0.021632	0.702747
<i>Ralstonia</i>	1.67874	0.010599	0.42029	1.785367	0.027585	0.678044	0.914483	1	<i>Ralstonia</i>	0.230510	3.60E-05	0.024544	0.359219	0.000146	0.04928	0.032415	0.702747
<i>Cellulosimicrobium</i>	0.000171	0	0.000171	0.004493	0	0.002548	0.095382	0.546803	<i>Cellulosimicrobium</i>	0.000556	0	0.000556	0.005222	0	0.002055	0.041556	0.702747

Note 1. SUM of relative abundances of bacterial genera with significant difference in Z31DRh or Z31J1DRh.

4.353404 0.544983 5.515986 0.721126

Note 2. SUM of relative abundances of bacterial genera correspondingly in Z31DSO or Z31J1DSO.

4.616967 0.63539 6.431984 0.687526

Note 3. In the rhizosphere soils, only 17 genera, whose p-value were labeled by orange color, were significantly different ($p < 0.05$) between the glyphosate treated line Z31 and its control Z31 without glyphosate treatment

Note 4. The obviously increased or decreased mean value of genera in the rhizosphere soils of control Z31 or the glyphosate treated line Z31 were labeled with red or purple color, respectively, under comparative analysis of the surrounding

Note 5. ND = Not Detected.

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>Opitutus</i>	0.69512	0.000104	0.041533	0.412054	0.000129	0.046415	0.000573	0.125487
<i>Thermomonas</i>	0.027731	1.00E-06	0.003895	0.053956	3.00E-06	0.007108	0.005146	0.514066
<i>OR-59</i>	0.067893	7.00E-06	0.011041	0.03055	3.00E-06	0.006844	0.009719	0.514066
<i>Candidatus_Koribacter</i>	2.172926	0.002582	0.207426	3.637111	0.014839	0.497307	0.013264	0.514066
<i>Rothia</i>	0	0	0	0.001684	0	0.001684	0.015252	0.514066
<i>Segetibacter</i>	0.040253	3.00E-06	0.00689	0.072439	7.00E-06	0.010432	0.017831	0.514066
<i>Siphonobacter</i>	0.037072	5.00E-06	0.009113	0.010529	2.00E-06	0.005806	0.022287	0.514066
<i>Devosia</i>	0.005737	0	0.001684	0.001362	0	0.000679	0.024118	0.514066
<i>Comamonas</i>	0.308888	0.000393	0.080947	0.110912	2.30E-05	0.019509	0.025713	0.514066
<i>Acanthamoeba</i>	0.000541	0	0.000374	0.003794	0	0.001329	0.026646	0.514066
<i>Enterobacter</i>	0.066067	4.90E-05	0.028574	0.001105	0	0.000767	0.031022	0.514066
<i>Peredibacter</i>	0.004971	0	0.001574	0.001077	0	0.000725	0.032820	0.514066
<i>Actinoplanes</i>	0.021183	2.00E-06	0.00503	0.008602	0	0.002575	0.034039	0.514066
<i>Aggregatibacter</i>	0	0	0	0.001347	0	0.001347	0.035210	0.514066
<i>Desulfobulbus</i>	0	0	0	0.001464	0	0.001464	0.035210	0.514066
<i>Dyella</i>	0.099063	6.30E-05	0.032422	0.028736	1.00E-06	0.003557	0.039713	0.543572
<i>Burkholderia</i>	0.805959	0.000786	0.11448	1.139264	0.000774	0.113578	0.047444	0.546803
<i>Solitalea</i>	0.040248	2.20E-05	0.019144	0.001815	0	0.001048	0.052837	0.546803
<i>Edaphobacter</i>	0.009756	0	0.002401	0.019338	1.00E-06	0.004196	0.054331	0.546803
<i>Rhodanobacter</i>	0.002694	0	0.001107	0.009676	1.00E-06	0.003398	0.057084	0.546803
<i>Asticcacaulis</i>	0.009336	0	0.002238	0.003889	0	0.001712	0.059006	0.546803
<i>Oryzihumus</i>	0.005146	0	0.001227	0.010757	0	0.002731	0.066051	0.546803
<i>Janthinobacterium</i>	0.024712	1.00E-06	0.002889	0.034789	1.00E-06	0.004537	0.066101	0.546803
<i>Candidatus_Solibacter</i>	1.166306	0.000519	0.093022	1.549767	0.002015	0.183275	0.066994	0.546803
<i>Rhizobium</i>	0.125225	8.40E-05	0.037487	0.051258	1.00E-05	0.013152	0.067831	0.546803

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -value	FDR
<i>Prevotella</i>	0	0	0	0.002947	0	0.001589	0.068466	0.546803
<i>Crocinitomix</i>	0.001838	0	0.001838	0	0	0	0.073761	0.546803
<i>Terriglobus</i>	0.066973	3.60E-05	0.024494	0.02087	2.00E-06	0.006394	0.074051	0.546803
<i>Novosphingobium</i>	0.457758	0.001523	0.159303	0.156279	0.000122	0.045115	0.07414	0.546803
<i>Turicibacter</i>	0	0	0	0.001016	0	0.001016	0.081284	0.546803
<i>Anaerolinea</i>	0.017657	3.00E-06	0.006612	0.005838	0	0.001287	0.084208	0.546803
<i>Chitinophaga</i>	2.688741	0.09665	1.269184	0.466952	0.002422	0.200919	0.088944	0.546803
<i>Azospirillum</i>	0.040289	2.70E-05	0.021146	0.003953	0	0.001598	0.091242	0.546803
<i>Terribacillus</i>	0.000173	0	0.000173	0.001768	0	0.000861	0.091643	0.546803
<i>Cellulosimicrobium</i>	0.000171	0	0.000171	0.004493	0	0.002548	0.095382	0.546803
<i>Sphingomonas</i>	0.562216	0.000425	0.084151	0.381034	0.000266	0.066525	0.096455	0.546803
<i>Lupinus</i>	0.013064	1.00E-06	0.004093	0.005296	0	0.002116	0.097371	0.546803
<i>Adhaeribacter</i>	0.008092	0	0.002086	0.003839	0	0.001445	0.099388	0.546803
<i>Fluviicola</i>	0.054235	2.30E-05	0.019602	0.018373	5.00E-06	0.009016	0.102236	0.546803
<i>Niastella</i>	0.919664	0.000462	0.087748	0.657739	0.001029	0.130963	0.102315	0.546803
<i>Kaistobacter</i>	2.810375	0.023601	0.627175	3.917252	0.003549	0.243193	0.105758	0.546803
<i>Elbe</i>	0.013443	2.00E-06	0.006395	0.002748	0	0.001356	0.108399	0.546803
<i>Labrys</i>	0.116187	9.00E-05	0.038796	0.052217	2.00E-06	0.006018	0.109854	0.546803
<i>Chryseobacterium</i>	1.272696	0.018748	0.558994	0.329465	0.00136	0.150578	0.10986	0.546803
<i>Shewanella</i>	0.00482	0	0.002764	0.010513	0	0.002205	0.114202	0.555655
<i>Candidatus_Xiphinematobacter</i>	0.032194	3.00E-06	0.007301	0.017073	2.00E-06	0.006007	0.116713	0.555655
<i>Phaeospirillum</i>	0.00333	0	0.002116	0	0	0	0.123258	0.57433
<i>Ochrobactrum</i>	0.038944	1.40E-05	0.015504	0.013811	2.00E-06	0.005434	0.133584	0.594448
<i>Flavisolibacter</i>	1.417275	0.000685	0.106886	1.803985	0.003214	0.231448	0.136404	0.594448
<i>Salana</i>	0.001433	0	0.001433	0	0	0	0.138433	0.594448

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>heteroC45_4W</i>	0.001078	0	0.000746	0	0	0	0.138433	0.594448
<i>Legionella</i>	0.003402	0	0.001163	0.001406	0	0.000721	0.151556	0.619539
<i>Paenibacillus</i>	0.14963	0.000108	0.042387	0.389685	0.001555	0.16099	0.155208	0.619539
<i>Leptolyngbya</i>	0.009797	2.00E-06	0.005545	0.001796	0	0.000688	0.158118	0.619539
<i>Unclassified</i>	64.17851	0.288191	2.191618	68.288321	0.2061	1.853377	0.158129	0.619539
<i>Cetobacterium</i>	0.01501	7.00E-06	0.010493	0	0	0	0.158421	0.619539
<i>Desulfosporosinus</i>	0.003311	0	0.001268	0.001006	0	0.001006	0.16327	0.627301
<i>Phormidium</i>	0.334871	0.002881	0.219113	0.027477	2.50E-05	0.020316	0.171702	0.63512
<i>Chlamydomonas</i>	0.000372	0	0.000372	0.001409	0	0.000892	0.173551	0.63512
<i>Caulobacter</i>	0.159519	0.000564	0.096952	0.025715	5.00E-06	0.008966	0.178843	0.63512
<i>Rhodoplanes</i>	0.552245	0.000127	0.046057	0.652737	0.000195	0.057053	0.180522	0.63512
<i>Acidovorax</i>	0.218097	0.000335	0.074758	0.100042	0.00012	0.044755	0.186753	0.63512
<i>Deinococcus</i>	0	0	0	0.000671	0	0.000671	0.187645	0.63512
<i>Leptotrichia</i>	0	0	0	0.000674	0	0.000674	0.187645	0.63512
<i>Luteolibacter</i>	0.147817	0.000352	0.076622	0.040844	2.50E-05	0.020348	0.188506	0.63512
<i>Bradyrhizobium</i>	1.184853	0.006234	0.322327	0.678573	0.002391	0.199621	0.196045	0.636192
<i>Spirosoma</i>	0.016574	1.00E-06	0.004364	0.009835	0	0.002554	0.196787	0.636192
<i>Acinetobacter</i>	0.035084	1.80E-05	0.017349	0.011412	1.00E-06	0.003993	0.197539	0.636192
<i>Agrobacterium</i>	0.191973	7.70E-05	0.035877	0.122559	9.30E-05	0.039331	0.206725	0.644869
<i>Candidatus_Rhizobium</i>	0.037941	7.00E-06	0.011112	0.058482	8.00E-06	0.011271	0.208787	0.644869
<i>Pythium</i>	0.019235	1.00E-06	0.004555	0.011463	1.00E-06	0.003893	0.209067	0.644869
<i>Planctomyces</i>	0.190633	5.30E-05	0.029636	0.149954	8.00E-06	0.011348	0.215382	0.649378
<i>Mycobacterium</i>	0.131913	5.70E-05	0.030747	0.088826	1.20E-05	0.014095	0.218393	0.649378
<i>Nocardia</i>	0.025567	2.00E-06	0.006432	0.014278	2.00E-06	0.006212	0.223354	0.649378
<i>JG37-AG-70</i>	0.003789	0	0.000685	0.002134	0	0.001122	0.224685	0.649378

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>Lysobacter</i>	0.028078	8.00E-06	0.011467	0.013053	1.00E-06	0.003603	0.228169	0.649378
<i>Alkanibacter</i>	0.0041	0	0.002185	0.017936	7.00E-06	0.010855	0.22832	0.649378
<i>Oscillochloris</i>	0.002163	0	0.001755	0	0	0	0.234719	0.650211
<i>Sorangium</i>	0.009926	1.00E-06	0.004534	0.003868	0	0.001914	0.237803	0.650211
<i>Thiobacillus</i>	0	0	0	0.00917	3.00E-06	0.007472	0.239433	0.650211
<i>Lacibacter</i>	0.015437	2.00E-06	0.006365	0.006928	0	0.002753	0.240489	0.650211
<i>Sphingobium</i>	0.008555	2.00E-06	0.006138	0.001077	0	0.000725	0.249848	0.650322
<i>Pedosphaera</i>	0.00378	0	0.001893	0.007476	0	0.002406	0.251022	0.650322
<i>Sphingobacterium</i>	0.218557	0.00055	0.095717	0.08679	0.000171	0.053354	0.253517	0.650322
<i>Pedomicrobium</i>	0.001075	0	0.001075	0	0	0	0.263393	0.650322
<i>Syntrophomonas</i>	0.00089	0	0.000703	0	0	0	0.263393	0.650322
<i>Dorea</i>	0.000519	0	0.000519	0	0	0	0.263393	0.650322
<i>Buchnera</i>	0.000513	0	0.000513	0	0	0	0.263393	0.650322
<i>Rickettsia</i>	0.000726	0	0.000459	0.003734	0	0.002521	0.268489	0.650322
<i>Pantoea</i>	1.052743	0.047832	0.892856	0.005604	0	0.002277	0.269045	0.650322
<i>Conexibacter</i>	0.033472	1.00E-06	0.004279	0.066105	4.60E-05	0.027552	0.270225	0.650322
<i>Leeia</i>	0.002205	0	0.001822	0.021539	1.70E-05	0.016631	0.278646	0.663299
<i>Achromobacter</i>	0.081919	4.30E-05	0.026724	0.040362	3.60E-05	0.024378	0.282365	0.664924
<i>Veillonella</i>	0	0	0	0.003746	1.00E-06	0.003313	0.290309	0.676358
<i>Afifella</i>	0.000937	0	0.000751	0.001742	0	0.001123	0.305001	0.68854
<i>Tepidibacter</i>	0.000703	0	0.000356	0.001726	0	0.000968	0.305001	0.68854
<i>Cellulomonas</i>	0.003461	0	0.002491	0.000675	0	0.000427	0.30614	0.68854
<i>Streptococcus</i>	0.000171	0	0.000171	0.007828	3.00E-06	0.006961	0.3085	0.68854
<i>Amycolatopsis</i>	0.085338	1.50E-05	0.01586	0.165438	0.000305	0.071285	0.311258	0.68854
<i>Ammoniphilus</i>	0.0034	0	0.001668	0.00681	0	0.002685	0.318112	0.696665

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -value	FDR
<i>Kineococcus</i>	0.000173	0	0.000173	0.001037	0	0.000697	0.322727	0.699774
<i>Nannocystis</i>	0.05766	0.000166	0.052593	0.001724	0	0.000968	0.325972	0.699881
<i>Phenylobacterium</i>	0.501511	2.00E-04	0.05777	0.43054	7.60E-05	0.035516	0.337034	0.714744
<i>Hyphomicrobium</i>	0.033476	3.00E-06	0.006962	0.042516	2.00E-06	0.005225	0.341809	0.714744
<i>Roseomonas</i>	0.00425	0	0.001452	0.002427	0	0.000993	0.343	0.714744
<i>Filimonas</i>	0.192555	0.002075	0.185948	0.001037	0	0.000697	0.345949	0.714744
<i>Aquicella</i>	0.224412	0.000147	0.049424	0.364493	0.001003	0.129298	0.356006	0.724928
<i>Patulibacter</i>	0.001198	0	0.001198	0	0	0	0.360809	0.724928
<i>Haemophilus</i>	0	0	0	0.003031	1.00E-06	0.003031	0.360809	0.724928
<i>Mycoplasma</i>	0.002909	1.00E-06	0.002909	0	0	0	0.372045	0.734035
<i>SC3-56</i>	0.001711	0	0.001711	0	0	0	0.372045	0.734035
<i>Aminobacter</i>	0.001246	0	0.001054	0.000337	0	0.000337	0.397123	0.75626
<i>Kineosporia</i>	0.000896	0	0.000576	0.000335	0	0.000335	0.397123	0.75626
<i>4/29/2016</i>	0.000887	0	0.000573	0.000366	0	0.000366	0.397123	0.75626
<i>Blautia</i>	0.000693	0	0.000693	0.00035	0	0.00035	0.397123	0.75626
<i>Bacteroides</i>	0.007792	4.00E-06	0.007792	0.000339	0	0.000339	0.41159	0.774096
<i>Stenotrophomonas</i>	0.080699	4.30E-05	0.026801	0.043544	5.00E-05	0.028937	0.422163	0.774096
<i>Niabella</i>	0.181948	0.000316	0.072576	0.10547	8.20E-05	0.036997	0.42409	0.774096
<i>Candidatus_Glomeribacter</i>	0.001993	0	0.000729	0.001043	0	0.000702	0.42418	0.774096
<i>Kribbella</i>	0.0209	2.00E-06	0.005526	0.028262	2.00E-06	0.005613	0.426427	0.774096
<i>Hymenobacter</i>	0.005493	0	0.001833	0.008828	1.00E-06	0.003074	0.427697	0.774096
<i>Gemmata</i>	0.197433	3.00E-05	0.022516	0.174735	9.00E-06	0.011981	0.454011	0.814987
<i>Bdellovibrio</i>	0.115787	2.40E-05	0.020206	0.096799	5.00E-06	0.008805	0.475264	0.824569
<i>FFCH10602</i>	0.000513	0	0.000513	0.001403	0	0.000889	0.475774	0.824569
<i>Chthoniobacter</i>	1.237277	0.010388	0.4161	0.814932	0.004518	0.274411	0.485697	0.824569

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>Prostheco bacter</i>	0.32366	0.001218	0.142461	0.168636	0.000871	0.120471	0.494309	0.824569
<i>Azospira</i>	0.023343	2.80E-05	0.021626	0.005422	1.00E-06	0.003465	0.500674	0.824569
<i>Sporocytophaga</i>	0.003473	0	0.001395	0.002055	0	0.001048	0.503837	0.824569
<i>Asteroleplasma</i>	0.023875	1.00E-06	0.003411	0.033038	7.00E-06	0.010833	0.506584	0.824569
<i>Caldicoprobacter</i>	0.000735	0	0.000735	0	0	0	0.508929	0.824569
<i>Akkermansia</i>	0.000346	0	0.000346	0	0	0	0.508929	0.824569
<i>Bilophila</i>	0.000346	0	0.000346	0	0	0	0.508929	0.824569
<i>Faecalibacterium</i>	0.000346	0	0.000346	0	0	0	0.508929	0.824569
<i>Oscillospira</i>	0.000346	0	0.000346	0	0	0	0.508929	0.824569
<i>Roseburia</i>	0.000346	0	0.000346	0	0	0	0.508929	0.824569
<i>Pimelobacter</i>	0.003808	0	0.000682	0.002521	0	0.001465	0.514034	0.824569
<i>Brevundimonas</i>	0.001604	0	0.001409	0.006772	2.00E-06	0.006362	0.515826	0.824569
<i>Perlucidibaca</i>	0.004575	1.00E-06	0.003953	0.001415	0	0.000687	0.520938	0.826706
<i>Myxococcus</i>	0.001223	0	0.000861	0.003371	0	0.002644	0.53518	0.835911
<i>Pseudoxanthomonas</i>	0.031455	3.00E-05	0.022244	0.013992	2.00E-06	0.005614	0.541079	0.835911
<i>Uliginosibacterium</i>	0.025034	2.00E-06	0.005909	0.032762	4.00E-06	0.008271	0.541652	0.835911
<i>Actinomycespora</i>	0.00127	0	0.000442	0.002038	0	0.000908	0.542006	0.835911
<i>Turneriella</i>	0.003082	0	0.000827	0.006046	1.00E-06	0.00396	0.557798	0.85425
<i>Dyadobacter</i>	0.197859	0.000324	0.073504	0.132848	0.000168	0.052899	0.565933	0.86069
<i>Inquilinus</i>	0.002526	0	0.001291	0.001429	0	0.000906	0.577854	0.872759
<i>Geothrix</i>	0.00164	0	0.000786	0.002554	0	0.001079	0.583888	0.875832
<i>Pirellula</i>	0.136024	1.60E-05	0.016347	0.12084	1.50E-05	0.015571	0.590601	0.879875
<i>Sediminibacterium</i>	0.138225	1.60E-05	0.016156	0.156685	3.10E-05	0.022905	0.5975	0.884139
<i>Fusobacterium</i>	0.002078	0	0.002078	0.000674	0	0.000674	0.606421	0.891317
<i>Dechloromonas</i>	0.084312	3.70E-05	0.024953	0.110017	7.40E-05	0.035198	0.637803	0.931192

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>Cryocola</i>	0.017093	0	0.002401	0.014548	1.00E-06	0.003844	0.656596	0.945884
<i>Rickettsiella</i>	0.007915	1.00E-06	0.004848	0.013654	5.00E-06	0.009131	0.660275	0.945884
<i>Parvibaculum</i>	0.001985	0	0.000588	0.002738	0	0.001266	0.669663	0.945884
<i>Sporichthya</i>	0.005839	0	0.001385	0.007647	1.00E-06	0.003193	0.680803	0.945884
<i>Cellvibrio</i>	0.019969	2.00E-06	0.006032	0.01619	1.00E-06	0.004096	0.681545	0.945884
<i>Flavobacterium</i>	0.877362	0.004492	0.273603	1.273172	0.030878	0.717384	0.682955	0.945884
<i>Pedobacter</i>	0.171838	0.000488	0.090172	0.118845	0.000151	0.050128	0.683787	0.945884
<i>Nitrospira</i>	0.445815	0.000467	0.088269	0.503638	0.000302	0.070958	0.685663	0.945884
<i>Bacillus</i>	0.107684	2.70E-05	0.0213	0.122934	2.80E-05	0.02143	0.692652	0.945884
<i>Dokdonella</i>	0.309687	0.001932	0.179425	0.204075	0.000724	0.109839	0.694202	0.945884
<i>Cystobacter</i>	0.002341	0	0.000814	0.001711	0	0.000963	0.695376	0.945884
<i>Rhodococcus</i>	0.004456	0	0.001643	0.003412	0	0.001343	0.700882	0.947308
<i>Erwinia</i>	0.001658	0	0.001463	0.000674	0	0.000674	0.706332	0.947308
<i>Kaistia</i>	0.003577	0	0.001393	0.004667	0	0.001828	0.709725	0.947308
<i>DA101</i>	1.337443	0.004595	0.276748	1.186485	0.001666	0.166646	0.713725	0.947308
<i>Nonomuraea</i>	0.000684	0	0.000684	0.001388	0	0.001005	0.73367	0.957283
<i>Geobacter</i>	0.028749	7.00E-06	0.010836	0.04678	9.80E-05	0.040419	0.734348	0.957283
<i>Steroidobacter</i>	0.130123	5.00E-05	0.0288	0.112753	4.80E-05	0.028216	0.734354	0.957283
<i>Dactylosporangium</i>	0.046263	3.00E-06	0.007461	0.042145	3.00E-06	0.006769	0.747208	0.96664
<i>Clostridium</i>	0.001841	0	0.000684	0.001352	0	0.001004	0.75118	0.96664
<i>Shimazuella</i>	0.001862	0	0.000892	0.001728	0	0.000818	0.754774	0.96664
<i>Methylotenera</i>	0.009481	2.00E-06	0.005889	0.0128	2.00E-06	0.006356	0.761893	0.970085
<i>Sinomonas</i>	0.010163	1.00E-06	0.00314	0.012312	1.00E-06	0.004955	0.772567	0.974766
<i>Catellatospora</i>	0.042085	9.00E-06	0.012458	0.047819	6.00E-06	0.009681	0.774472	0.974766
<i>Alicyclobacillus</i>	0.01397	0	0.001866	0.0151	0	0.002822	0.79132	0.984019

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>Methylobacterium</i>	0.017552	1.00E-06	0.003815	0.019404	1.00E-06	0.004326	0.800219	0.984019
<i>Skermanella</i>	0.012896	0	0.002486	0.011973	0	0.001848	0.812916	0.984019
<i>Pilimelia</i>	0.038136	1.00E-06	0.004274	0.035706	3.00E-06	0.007016	0.814174	0.984019
<i>Pseudonocardia</i>	0.023413	1.00E-06	0.003065	0.021871	1.00E-06	0.004404	0.819337	0.984019
<i>Flaviumibacter</i>	0.062034	1.90E-05	0.017619	0.072936	7.50E-05	0.03527	0.826798	0.984019
<i>Methylibium</i>	1.157847	0.000351	0.076527	1.110888	0.001418	0.153754	0.828421	0.984019
<i>Ellin506</i>	0.030047	1.00E-06	0.00494	0.027028	6.00E-06	0.010038	0.830225	0.984019
<i>Sphingopyxis</i>	0.02672	8.00E-06	0.011413	0.033248	2.80E-05	0.021759	0.832893	0.984019
<i>Fimbriimonas</i>	0.213259	6.00E-05	0.031492	0.202583	4.20E-05	0.026305	0.836528	0.984019
<i>Planifilum</i>	0.001791	0	0.00105	0.001457	0	0.000746	0.836803	0.984019
<i>Zoogloea</i>	0.036866	1.20E-05	0.013934	0.031157	1.80E-05	0.017129	0.83764	0.984019
<i>Nevskia</i>	0.016681	0	0.00269	0.015755	0	0.002729	0.847831	0.984019
<i>Arthrobacter</i>	0.077811	1.40E-05	0.015146	0.081771	3.00E-06	0.007191	0.851719	0.984019
<i>Telmatospirillum</i>	0.001795	0	0.000987	0.00209	0	0.00077	0.852011	0.984019
<i>Emticicia</i>	0.037206	1.50E-05	0.016059	0.030975	3.00E-05	0.022525	0.857904	0.984019
<i>Anaeromyxobacter</i>	0.036357	9.00E-06	0.012167	0.043983	6.00E-05	0.031696	0.858208	0.984019
<i>Rubrivivax</i>	0.409686	9.40E-05	0.039644	0.387794	0.000544	0.095216	0.866539	0.988385
<i>Cupriavidus</i>	1.152182	0.005052	0.290164	1.0729	0.003979	0.257535	0.87168	0.988385
<i>A17</i>	0.012369	1.00E-06	0.002946	0.013414	1.00E-06	0.004352	0.875556	0.988385
<i>Brevibacillus</i>	0.003069	0	0.001149	0.003396	0	0.001539	0.892663	0.99936
<i>Cohnella</i>	0.03695	3.00E-06	0.007061	0.040822	2.90E-05	0.022039	0.894404	0.99936
<i>Cytophaga</i>	0.02787	7.00E-06	0.011158	0.030919	1.80E-05	0.017129	0.905034	1
<i>Streptomyces</i>	0.854708	0.00074	0.111048	0.935916	0.017861	0.545601	0.906921	1
<i>Ralstonia</i>	1.67874	0.010599	0.42029	1.785367	0.027585	0.678044	0.914483	1
<i>Aeromicrobium</i>	0.235477	0.000916	0.123541	0.215688	0.00074	0.111059	0.923051	1

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -vlaue	FDR
<i>Elizabethkingia</i>	0.025119	4.00E-06	0.00764	0.027306	1.80E-05	0.017369	0.925478	1
<i>Vermamoeba</i>	0.002566	0	0.000634	0.002413	0	0.001212	0.927354	1
<i>Spirochaeta</i>	0.017629	1.00E-06	0.004565	0.018098	1.00E-06	0.003807	0.947685	1
<i>Pseudomonas</i>	0.56006	0.000236	0.062759	0.542984	0.002749	0.214058	0.949056	1
<i>Mesorhizobium</i>	0.141725	1.10E-05	0.013719	0.139498	4.60E-05	0.027765	0.952174	1
<i>Nocardioides</i>	0.076133	5.00E-06	0.009436	0.076746	6.00E-06	0.009847	0.967309	1
<i>Rubrobacter</i>	0.005261	0	0.001756	0.005304	0	0.002474	0.984472	1
<i>Balneimonas</i>	0.008188	0	0.002316	0.008182	0	0.002425	0.993253	1
<i>Agromyces</i>	0.020619	4.00E-06	0.007978	0.020638	4.00E-06	0.008085	0.993494	1
<i>Oophila</i>	0.001261	0	0.000707	0.001008	0	0.000688	1	1
<i>Streptosporangium</i>	0.001134	0	0.000781	0.00104	0	0.000466	1	1
<i>Plesiocystis</i>	0.001103	0	0.001103	0.00101	0	0.00101	1	1
<i>Singulisphaera</i>	0.001074	0	0.000552	0.001421	0	0.000692	1	1
<i>Candidatus_Amoebophilus</i>	0.001043	0	0.000706	0.001359	0	0.000676	1	1
<i>Candidatus_Proteochlamydic</i>	0.000744	0	0.000744	0.000688	0	0.000435	1	1
<i>Gracilibacter</i>	0.000725	0	0.00046	0.001009	0	0.000688	1	1
<i>Dunaliella</i>	0.000346	0	0.000346	0.000339	0	0.000339	1	1
<i>Ruminococcus</i>	0.000346	0	0.000346	0.000339	0	0.000339	1	1
<i>Oxobacter</i>	0.000342	0	0.000342	0.000699	0	0.000699	1	1

Note 1. The relative abundances of taxa in the surrounding soils, whose *p*-value were labeled by orange color, were significantly different ($p < 0.05$) between the glyphosate treated line Z31 and its control Z31 without glyphosate treatment.

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	p -vlaue	FDR
<i>Planctomyces</i>	0.144524	1.40E-05	0.015435	0.085474	4.00E-06	0.008611	0.004895	0.524352
<i>Thermomonas</i>	0.040615	2.00E-06	0.005484	0.02363	0	0.00172	0.010035	0.524352
<i>Luteolibacter</i>	0.023406	2.00E-06	0.005079	0.004806	1.00E-06	0.003817	0.010450	0.524352
<i>Dokdonella</i>	0.090495	1.40E-05	0.015086	0.043861	2.00E-06	0.005544	0.010924	0.524352
<i>Azospirillum</i>	0.004117	0	0.000712	0.001491	0	0.00074	0.021632	0.702747
<i>Candidatus_Koribacter</i>	3.421781	0.01233	0.45333	5.096233	0.01414	0.48546	0.023082	0.702747
<i>OR-59</i>	0.054524	1.30E-05	0.01447	0.016748	2.00E-06	0.006171	0.028825	0.702747
<i>Ralstonia</i>	0.230510	3.60E-05	0.024544	0.359219	0.000146	0.04928	0.032415	0.702747
<i>Cellulosimicrobium</i>	0.000556	0	0.000556	0.005222	0	0.002055	0.041556	0.702747
<i>Unclassified</i>	73.72133	0.0355	0.769195	68.903703	0.281275	2.165161	0.050193	0.702747
<i>Anaeromyxobacter</i>	0.108878	4.30E-05	0.0267	0.047781	1.00E-05	0.012977	0.053649	0.702747
<i>Spirosoma</i>	0.008587	0	0.002612	0.002669	0	0.001304	0.056602	0.702747
<i>Steroidobacter</i>	0.273937	0.000153	0.050479	0.162436	3.30E-05	0.023628	0.059713	0.702747
<i>Luteimonas</i>	0.136889	5.00E-05	0.028914	0.072922	1.30E-05	0.014849	0.063719	0.702747
<i>Candidatus_Xiphinematobacter</i>	0.034862	1.00E-06	0.003307	0.020342	3.00E-06	0.006856	0.072292	0.702747
<i>Candidatus_Rhabdochlamydia</i>	0.040559	6.00E-06	0.010174	0.07007	8.00E-06	0.011703	0.072655	0.702747
<i>Turneriella</i>	0.006389	0	0.002477	0.001629	0	0.000525	0.076076	0.702747
<i>Shimazuella</i>	0.000798	0	0.000512	0.004105	0	0.001697	0.078111	0.702747
<i>A17</i>	0.034135	1.00E-06	0.003821	0.02446	1.00E-06	0.003581	0.081094	0.702747
<i>Agromyces</i>	0.011601	1.00E-06	0.004842	0.002667	0	0.000871	0.086316	0.702747
<i>Uliginosibacterium</i>	0.019097	0	0.001679	0.047564	1.50E-05	0.015786	0.090094	0.702747
<i>Terribacillus</i>	0.001189	0	0.000574	0.003286	0	0.001027	0.092076	0.702747
<i>Sporosarcina</i>	0.454482	0.000416	0.083258	0.646244	0.000303	0.071024	0.096684	0.702747
<i>JG37-AG-70</i>	0.011356	1.00E-06	0.003717	0.004511	0	0.001207	0.09693	0.702747
<i>Pilimelia</i>	0.074507	2.00E-06	0.006319	0.052617	7.00E-06	0.011072	0.103228	0.702747
<i>Kuenenia</i>	0.000872	0	0.000872	0	0	0	0.10992	0.702747
<i>Magnetospirillum</i>	0.000872	0	0.000872	0	0	0	0.10992	0.702747
<i>Pleomorphomonas</i>	0.001366	0	0.001366	0	0	0	0.10992	0.702747
<i>Rickettsia</i>	0.00217	0	0.001569	0.008145	1.00E-06	0.003206	0.112216	0.702747

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	<i>p</i> -vlaue	FDR
<i>Burkholderia</i>	0.370188	0.000192	0.056543	0.503716	0.000198	0.057432	0.116462	0.702747
<i>Chryseobacterium</i>	0.146475	8.90E-05	0.038446	1.350151	0.032448	0.735394	0.121175	0.702747
<i>Zoogloea</i>	0.010831	1.00E-06	0.002918	0.003908	1.00E-06	0.003074	0.121287	0.702747
<i>Kineococcus</i>	0	0	0	0.001446	0	0.001446	0.126318	0.702747
<i>Sphingobacterium</i>	0.140192	0.000278	0.068069	0.83543	0.010947	0.427137	0.127567	0.702747
<i>Prostheco bacter</i>	0.034587	3.00E-06	0.007484	0.020373	1.00E-06	0.004739	0.128105	0.702747
<i>Geobacter</i>	0.061397	2.30E-05	0.019624	0.025324	8.00E-06	0.011533	0.134199	0.711163
<i>Segetibacter</i>	0.065594	3.00E-06	0.006941	0.088632	1.00E-05	0.012863	0.137047	0.711163
<i>Rubrivivax</i>	0.116772	4.30E-05	0.026762	0.072266	7.00E-06	0.010476	0.144596	0.716527
<i>Rickettsiella</i>	0.004827	1.00E-06	0.003516	0.028619	1.40E-05	0.015245	0.151386	0.716527
<i>Adhaeribacter</i>	0.012532	2.00E-06	0.005518	0.003562	0	0.00215	0.152848	0.716527
<i>Cryocola</i>	0.022076	1.00E-06	0.003594	0.032424	2.00E-06	0.005821	0.153339	0.716527
<i>Gracilibacter</i>	4/29/2016 0.004727	0	0.001339	0.002167	0	0.001093	0.162386	0.716527
<i>Sphingopyxis</i>	0.000816	0	0.000547	0.002566	0	0.001052	0.164012	0.716527
<i>DA101</i>	0.003099	0	0.001085	0.0275	1.60E-05	0.016498	0.164427	0.716527
<i>Bdellovibrio</i>	1.938413	0.001208	0.141904	1.523979	0.003591	0.244629	0.167936	0.716527
<i>Brevibacillus</i>	0.062337	2.00E-06	0.005359	0.075728	4.00E-06	0.007815	0.184883	0.741281
<i>Catellatospora</i>	0.009736	0	0.002019	0.014171	0	0.002427	0.187345	0.741281
<i>Caulobacter</i>	0.090765	1.00E-05	0.012696	0.068283	6.00E-06	0.00983	0.188719	0.741281
<i>Pedobacter</i>	0.012809	1.00E-06	0.003512	0.033563	1.20E-05	0.014418	0.189181	0.741281
<i>Agrobacterium</i>	0.270533	0.000219	0.060419	1.048449	0.018955	0.56206	0.196287	0.753742
<i>Alkanibacter</i>	0.080939	1.00E-05	0.012899	0.240053	0.000881	0.121152	0.220918	0.780912
<i>Sphingobium</i>	0.000975	0	0.000688	0.004837	1.00E-06	0.002923	0.228491	0.780912
<i>Dechloromonas</i>	0.012414	2.00E-06	0.006003	0.004182	0	0.002224	0.228749	0.780912
<i>Gemmatimonas</i>	0.073333	1.10E-05	0.01325	0.047062	1.60E-05	0.016403	0.242526	0.780912
<i>Epulopiscium</i>	0.006344	2.00E-06	0.005128	0	0	0	0.245836	0.780912
<i>Dyadobacter</i>	0	0	0	0.001085	0	0.001085	0.251318	0.780912
<i>Sporichthya</i>	0.010152	2.00E-06	0.005146	0.15252	0.00081	0.116221	0.253801	0.780912
	0.006744	0	0.002437	0.010562	0	0.001979	0.25645	0.780912

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	p -vlaue	FDR
<i>Streptosporangium</i>	0.017344	4.00E-06	0.008432	0.00657	0	0.002787	0.257725	0.780912
<i>Sinomonas</i>	0.002515	0	0.00126	0.004603	0	0.001176	0.25886	0.780912
<i>Anaerolinea</i>	0.049636	9.00E-06	0.012207	0.030244	7.00E-06	0.010445	0.261444	0.780912
<i>Escherichia</i>	0.083375	0.00033	0.074167	0.229443	0.000554	0.096098	0.262982	0.780912
<i>Hyphomicrobium</i>	0.058466	2.00E-06	0.006265	0.045451	5.00E-06	0.008923	0.266854	0.780912
<i>Planifilum</i>	0.001853	0	0.000898	0.003338	0	0.000873	0.270602	0.780912
<i>Ferruginibacter</i>	0.009051	1.00E-06	0.003387	0.014156	0	0.002751	0.277251	0.780912
<i>Brevundimonas</i>	0.001163	0	0.001163	0.008732	2.00E-06	0.00641	0.28038	0.780912
<i>Chromobacterium</i>	0.10944	8.60E-05	0.03782	0.061998	1.50E-05	0.015701	0.284053	0.780912
<i>Methylobacterium</i>	0.015684	2.00E-06	0.00515	0.024839	2.00E-06	0.006064	0.287485	0.780912
<i>Flavisolibacter</i>	1.684902	0.001962	0.180816	2.056275	0.004313	0.268114	0.288725	0.780912
<i>Coproccoccus</i>	0.001027	0	0.001027	0.002617	0	0.000934	0.289918	0.780912
<i>Cupriavidus</i>	0.248941	0.000223	0.060952	0.16165	0.000126	0.045839	0.290789	0.780912
<i>Gemmata</i>	0.160887	1.10E-05	0.013265	0.133444	2.40E-05	0.020091	0.292842	0.780912
<i>Niastella</i>	0.245382	0.00019	0.056231	0.177707	3.80E-05	0.025311	0.314526	0.787755
<i>Ophila</i>	0.006309	1.00E-06	0.003797	0.002121	0	0.000444	0.315374	0.787755
<i>Siphonobacter</i>	0.003434	0	0.002278	0.006356	0	0.00139	0.315456	0.787755
<i>Actinoplanes</i>	0.00935	1.00E-06	0.004652	0.003874	0	0.001968	0.320994	0.787755
<i>Dactylosporangium</i>	0.087437	9.00E-06	0.012079	0.07079	6.00E-06	0.00964	0.325041	0.787755
<i>Afifella</i>	0.001302	0	0.000618	0.002387	0	0.000803	0.328579	0.787755
<i>Pseudoxanthomonas</i>	0.004412	0	0.002004	0.002024	0	0.001013	0.332053	0.787755
<i>Mesorhizobium</i>	0.087997	1.90E-05	0.017897	0.061998	1.70E-05	0.016811	0.334076	0.787755
<i>Methylibium</i>	1.129602	0.001391	0.152249	0.938322	0.000577	0.098064	0.335503	0.787755
<i>Dyella</i>	0.039208	1.40E-05	0.015163	0.021757	3.00E-06	0.007066	0.341327	0.787755
<i>Achromobacter</i>	0.025822	6.00E-06	0.009712	0.015107	1.00E-06	0.003533	0.344643	0.787755
<i>Streptomyces</i>	0.366997	0.000393	0.080953	0.252387	0.00034	0.075279	0.344643	0.787755
<i>Clostridium</i>	0.082905	9.00E-06	0.012439	0.112996	4.30E-05	0.026835	0.354228	0.800139
<i>Devosia</i>	0	0	0	0.002201	0	0.002201	0.362965	0.804319
<i>Flavobacterium</i>	0.418371	0.000531	0.094035	0.639753	0.002501	0.204181	0.376637	0.804319

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	<i>p</i> -vlaue	FDR
<i>Chthonomonas</i>	0.000291	0	0.000291	0.001446	0	0.001446	0.377195	0.804319
<i>Paracoccus</i>	0.000594	0	0.000594	0.001853	0	0.000915	0.377195	0.804319
<i>Stenotrophomonas</i>	0.024522	3.00E-06	0.007454	0.038002	8.00E-06	0.011763	0.384626	0.804319
<i>Syntrichia</i>	0.001827	0	0.00062	0.003564	0	0.001689	0.386053	0.804319
<i>Cohnella</i>	0.008916	1.00E-06	0.003973	0.016825	3.00E-06	0.007213	0.388246	0.804319
<i>Roseomonas</i>	0.004295	0	0.001199	0.006592	0	0.002129	0.400152	0.804319
<i>Elizabethkingia</i>	0.013599	3.00E-06	0.007142	0.052703	0.000102	0.041188	0.402632	0.804319
<i>Kaistobacter</i>	1.946907	0.006578	0.331107	2.283934	0.001249	0.144255	0.403556	0.804319
<i>Paenibacillus</i>	0.174227	0.000131	0.04665	0.284235	0.00072	0.109521	0.408942	0.804319
<i>Bacillus</i>	0.094189	3.10E-05	0.022603	0.137099	0.000102	0.041148	0.414421	0.804319
<i>Larkinella</i>	0.000342	0	0.000342	0.003977	1.00E-06	0.003977	0.41652	0.804319
<i>Asticcacaulis</i>	0.006485	0	0.001941	0.027738	3.30E-05	0.023392	0.422281	0.804319
<i>Syntrophobacter</i>	0.003967	1.00E-06	0.00323	0.001035	0	0.000465	0.426637	0.804319
<i>Lupinus</i>	0.030332	1.80E-05	0.017104	0.014151	2.00E-06	0.006177	0.430942	0.804319
<i>Alicyclobacillus</i>	0.044715	4.00E-06	0.008517	0.056138	6.00E-06	0.009658	0.432532	0.804319
<i>Caldilinea</i>	0.001593	0	0.00072	0.000723	0	0.000723	0.435589	0.804319
<i>Ureibacillus</i>	0.000798	0	0.000512	0.00245	0	0.001804	0.435673	0.804319
<i>Asteroleplasma</i>	0.095441	2.80E-05	0.021559	0.068856	2.80E-05	0.021521	0.441006	0.806411
<i>Chthoniobacter</i>	0.341071	0.000273	0.067436	0.269928	0.000165	0.052477	0.463345	0.839266
<i>Labrys</i>	0.01099	1.00E-06	0.003278	0.02712	2.60E-05	0.020625	0.498427	0.882282
<i>Conexibacter</i>	0	0	0	0.000985	0	0.000985	0.500879	0.882282
<i>SC3-56</i>	0	0	0	0.000723	0	0.000723	0.500879	0.882282
<i>Sediminibacterium</i>	0.091665	1.10E-05	0.013821	0.106085	1.10E-05	0.013436	0.51507	0.899031
<i>Acanthamoeba</i>	0.010259	1.00E-06	0.00358	0.006909	1.00E-06	0.00324	0.545632	0.913906
<i>Leptolyngbya</i>	0.010332	0	0.002836	0.007442	1.00E-06	0.003122	0.550977	0.913906
<i>Flaviumibacter</i>	0.033478	1.40E-05	0.015172	0.021757	4.00E-06	0.008	0.551784	0.913906
<i>Nevskia</i>	0.018762	3.00E-06	0.006991	0.028477	9.00E-06	0.012574	0.556784	0.913906
<i>Nocardia</i>	0.003132	0	0.001242	0.004498	0	0.001639	0.563398	0.913906
<i>Rubrobacter</i>	0.017522	3.00E-06	0.007525	0.012088	1.00E-06	0.00338	0.566854	0.913906

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	p -vlaue	FDR
<i>Emticicia</i>	0.00519	0	0.002414	0.003062	0	0.002165	0.568094	0.913906
<i>Rhodanobacter</i>	0.047989	7.00E-06	0.010463	0.037002	1.10E-05	0.013447	0.575643	0.913906
<i>Sphingomonas</i>	0.187299	5.10E-05	0.029296	0.16113	4.90E-05	0.028642	0.578696	0.913906
<i>Terriglobus</i>	0.013212	0	0.00266	0.015863	1.00E-06	0.003255	0.582906	0.913906
<i>Opitutus</i>	0.475873	6.00E-05	0.031692	0.517703	0.000216	0.059956	0.591351	0.913906
<i>Hymenobacter</i>	0.006993	1.00E-06	0.003817	0.010843	2.00E-06	0.005032	0.595819	0.913906
<i>Filimonas</i>	0.003464	0	0.002205	0.001993	0	0.000992	0.596795	0.913906
<i>Fimbrimonas</i>	0.261773	3.00E-05	0.022424	0.280094	2.50E-05	0.020564	0.600123	0.913906
<i>Pythium</i>	0.059636	5.00E-06	0.009433	0.072951	2.40E-05	0.020048	0.600596	0.913906
<i>Cytophaga</i>	0.014596	2.00E-06	0.006155	0.021516	6.00E-06	0.010264	0.614544	0.913906
<i>Balneimonas</i>	0.01579	0	0.00287	0.012995	1.00E-06	0.003904	0.615345	0.913906
<i>Aeromicrobium</i>	0.233133	0.000205	0.058506	0.17096	0.000517	0.092801	0.62045	0.913906
<i>Caloramator</i>	0.000342	0	0.000342	0.00108	0	0.000737	0.626317	0.913906
<i>Candidatus_Amoebophilus</i>	0.000525	0	0.000525	0.000991	0	0.00066	0.626317	0.913906
<i>Leeia</i>	0.000556	0	0.000556	0.001085	0	0.001085	0.626317	0.913906
<i>heteroC45_4W</i>	0.002113	0	0.000976	0.001344	0	0.000978	0.628427	0.913906
<i>Patulibacter</i>	0.006915	1.00E-06	0.003387	0.011973	4.00E-06	0.008578	0.63307	0.913906
<i>Phormidium</i>	0.053802	7.30E-05	0.034951	0.032174	3.60E-05	0.024451	0.657819	0.942547
<i>Mycobacterium</i>	0.089522	5.00E-06	0.008746	0.079969	2.00E-05	0.018036	0.675029	0.953696
<i>Pelotomaculum</i>	0.001713	0	0.001199	0.000854	0	0.000549	0.675535	0.953696
<i>Aquicella</i>	0.39314	0.000313	0.072225	0.435687	0.000208	0.058927	0.687246	0.963148
<i>Niabella</i>	0.024625	5.00E-06	0.009133	0.030634	7.00E-06	0.01064	0.70586	0.976011
<i>Spirochaeta</i>	0.017414	2.00E-06	0.005675	0.013652	3.00E-06	0.006734	0.706591	0.976011
<i>Thermoactinomyces</i>	0.002403	0	0.001798	0.001621	0	0.000536	0.712854	0.977129
<i>Actinomycetospora</i>	0.003158	0	0.001243	0.003825	0	0.001058	0.717579	0.977129
<i>Pseudomonas</i>	1.013387	0.005975	0.315563	0.831478	0.007382	0.350753	0.73317	0.991328
<i>Lysobacter</i>	0.004106	0	0.002656	0.003152	0	0.000979	0.763567	1
<i>Tepidibacter</i>	0.003348	0	0.001816	0.004199	0	0.001839	0.768094	1
<i>Geodermatophilus</i>	0.008128	0	0.002531	0.009398	1.00E-06	0.00308	0.774959	1

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	<i>p</i> -vlaue	FDR
<i>Fluviicola</i>	0.005116	1.00E-06	0.003336	0.003881	0	0.001991	0.775327	1
<i>Kribbella</i>	0.034127	1.00E-06	0.003947	0.03933	1.50E-05	0.016054	0.777468	1
<i>Nannocystis</i>	0.003588	0	0.001635	0.002976	0	0.001117	0.782392	1
<i>Novosphingobium</i>	0.123594	2.10E-05	0.018662	0.110767	8.40E-05	0.037315	0.783749	1
<i>Rhizobium</i>	0.07609	2.20E-05	0.0191	0.09785	0.000291	0.069608	0.788164	1
<i>Comamonas</i>	0.126141	0.000102	0.041257	0.144225	0.000139	0.048059	0.798602	1
<i>Hylemonella</i>	1.09342	0.002347	0.197765	1.245899	0.015392	0.506484	0.802702	1
<i>Cellvibrio</i>	0.010639	1.00E-06	0.003934	0.012099	1.00E-06	0.004009	0.816889	1
<i>Solitalea</i>	0.003201	0	0.001244	0.004108	1.00E-06	0.00355	0.829789	1
<i>Coxiella</i>	0.005021	0	0.002207	0.004344	0	0.001801	0.83245	1
<i>Chitinophaga</i>	0.59642	0.003035	0.224925	0.532463	0.001689	0.167798	0.839515	1
<i>Amycolatopsis</i>	0.06161	4.00E-06	0.008236	0.058325	8.00E-06	0.011836	0.839854	1
<i>Microbacterium</i>	0.007104	0	0.002879	0.006335	0	0.001885	0.843228	1
<i>Kaistia</i>	0.007155	1.00E-06	0.003808	0.008625	2.00E-06	0.005682	0.84862	1
<i>Ellin506</i>	0.041657	3.00E-06	0.006923	0.038846	8.00E-06	0.011552	0.852994	1
<i>Shewanella</i>	0.014265	1.00E-06	0.003263	0.015183	1.00E-06	0.003237	0.860023	1
<i>Phycococcus</i>	0.007553	0	0.002113	0.006981	0	0.002128	0.865117	1
<i>Phenyllobacterium</i>	0.279938	1.80E-05	0.017301	0.283617	8.00E-06	0.011441	0.875322	1
<i>Legionella</i>	0.009891	1.00E-06	0.004192	0.00904	1.00E-06	0.003301	0.886251	1
<i>Pseudonocardia</i>	0.031432	1.00E-06	0.003959	0.032513	2.00E-06	0.005534	0.886456	1
<i>Halomonas</i>	0.03672	5.00E-06	0.009365	0.03824	1.00E-06	0.003646	0.892357	1
<i>Rhodococcus</i>	0.223317	0.000345	0.075803	0.209916	0.000143	0.048742	0.894667	1
<i>Iamia</i>	0.006062	0	0.002329	0.005673	0	0.001231	0.894994	1
<i>Rhodoplanes</i>	0.550006	0.00014	0.048269	0.5594	0.000114	0.043591	0.896842	1
<i>Acinetobacter</i>	0.027249	2.00E-06	0.005131	0.028849	6.00E-06	0.010231	0.899901	1
<i>Bradyrhizobium</i>	0.586447	0.000513	0.092502	0.604263	0.000718	0.109381	0.910602	1
<i>Cellulomonas</i>	0.002855	0	0.001529	0.003064	0	0.001639	0.932292	1
<i>Nocardioides</i>	0.187506	4.80E-05	0.028151	0.183506	6.30E-05	0.032529	0.93255	1
<i>Cystobacter</i>	0.025938	4.00E-06	0.008407	0.024409	1.40E-05	0.015016	0.935135	1

Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	<i>p</i> -value	FDR
<i>Nitrospira</i>	0.478792	0.000167	0.052696	0.472578	0.00027	0.067033	0.946784	1
<i>Candidatus_Solibacter</i>	1.249083	0.001061	0.132949	1.261896	0.000904	0.122725	0.948292	1
<i>Oryzihumus</i>	0.032702	2.00E-06	0.005943	0.032004	4.00E-06	0.007888	0.948374	1
<i>Ammoniphilus</i>	0.01344	0	0.00274	0.013265	0	0.002138	0.961912	1
<i>Sporocytophaga</i>	0.014223	0	0.002599	0.014012	1.00E-06	0.003657	0.96393	1
<i>Parvibaculum</i>	0.003488	0	0.001684	0.00362	0	0.002289	0.964749	1
<i>Janthinobacterium</i>	0.401154	0.000124	0.045468	0.398251	0.000383	0.079927	0.974064	1
<i>Candidatus_Glomeribacter</i>	0.00836	1.00E-06	0.003095	0.008276	0	0.00254	0.981596	1
<i>Skermanella</i>	0.031689	2.00E-06	0.005764	0.031949	1.30E-05	0.014977	0.984111	1
<i>Pirellula</i>	0.155017	2.50E-05	0.020556	0.155064	5.00E-06	0.009417	0.992906	1
<i>Actinocorallia</i>	0.001111	0	0.001111	0.000817	0	0.000522	1	1
<i>Chlamydomonas</i>	0.001467	0	0.000968	0.001129	0	0.000517	1	1
<i>Desulfosporosinus</i>	0.001505	0	0.000983	0.001399	0	0.000962	1	1
<i>Erwinia</i>	0.001576	0	0.001576	0.001477	0	0.001477	1	1
<i>Inquilius</i>	0.001111	0	0.001111	0.000807	0	0.000529	1	1
<i>Kineosporia</i>	0.001027	0	0.001027	0.001446	0	0.001446	1	1
<i>Staphylococcus</i>	0.00213	0	0.000683	0.002277	0	0.002277	1	1
<i>Syntrophomonas</i>	0.000846	0	0.000573	0.000911	0	0.000911	1	1

Note 1. The relative abundances of taxons in the surrounding soils, whose *p*-value were labeled by orange color, were significantly different ($p < 0.05$) between the glyphosate treated line Z31 and its control Z31 without glyphosate treatment.

Table S9. Differentially relative abundances of main N-fixing genera between Z31DRh & Z31J1DRh(16S).

Genus	mean of Z31DRh (%)	variance of Z31DRh (%)	std.err of Z31DRh (%)	mean of Z31J1DRh (%)	variance of Z31J1DRh (%)	std.err of Z31J1DRh (%)	<i>p</i> -value	FDR	Genus	mean of Z31DSO (%)	variance of Z31DSO (%)	std.err of Z31DSO (%)	mean of Z31J1DSO (%)	variance of Z31J1DSO (%)	std.err of Z31J1DSO (%)	<i>p</i> -value	FDR
<i>Aminobacter</i>	0.001246	0	0.001054	0.000337	0	0.000337	0.397123	0.75626	<i>Aminobacter</i>	ND			ND				
<i>Bradyrhizobium</i>	1.184853	0.006234	0.322327	0.678573	0.002391	0.199621	0.196045	0.636192	<i>Bradyrhizobium</i>	0.586447	0.000513	0.092502	0.604263	0.000718	0.109381	0.910602	1
<i>Devosia</i>	0.005737	0	0.001684	0.001362	0	0.000679	0.024118	0.514066	<i>Devosia</i>	0	0	0	0.002201	0	0.002201	0.362965	0.804319
<i>Mesorhizobium</i>	0.141725	1.10E-05	0.013719	0.139498	4.60E-05	0.027765	0.952174	1	<i>Mesorhizobium</i>	0.087997	1.90E-05	0.017897	0.061998	1.70E-05	0.016811	0.334076	0.787755
<i>Methylobacterium</i>	0.017552	1.00E-06	0.003815	0.019404	1.00E-06	0.004326	0.800219	0.984019	<i>Methylobacterium</i>	0.015684	2.00E-06	0.00515	0.024839	2.00E-06	0.006064	0.287485	0.780912
<i>Ochrobactrum</i>	0.038944	1.40E-05	0.015504	0.013811	2.00E-06	0.005434	0.133584	0.594448	<i>Ochrobactrum</i>	ND			ND				
<i>Rhizobium</i>	0.125225	8.40E-05	0.037487	0.051258	1.00E-05	0.013152	0.067831	0.546803	<i>Rhizobium</i>	0.076090	2.20E-05	0.0191	0.09785	0.000291	0.069608	0.788164	1
<i>Burkholderia</i>	0.805959	0.000786	0.11448	1.139264	0.000774	0.113578	0.047444	0.546803	<i>Burkholderia</i>	0.370188	0.000192	0.056543	0.503716	0.000198	0.057432	0.116462	0.702747
<i>Agrobacterium</i>	0.191973	7.70E-05	0.035877	0.122559	9.30E-05	0.039331	0.206725	0.644869	<i>Agrobacterium</i>	0.080939	1.00E-05	0.012899	0.240053	0.000881	0.121152	0.220918	0.780912
<i>Achromobacter</i>	0.081919	4.30E-05	0.026724	0.040362	3.60E-05	0.024378	0.282365	0.664924	<i>Achromobacter</i>	0.025822	6.00E-06	0.009712	0.015107	1.00E-06	0.003533	0.344643	0.787755
<i>Acinetobacter</i>	0.035084	1.80E-05	0.017349	0.011412	1.00E-06	0.003993	0.197539	0.636192	<i>Acinetobacter</i>	0.027249	2.00E-06	0.005131	0.028849	6.00E-06	0.010231	0.899901	1
<i>Bacillus</i>	0.107684	2.70E-05	0.0213	0.122934	2.80E-05	0.02143	0.692652	0.945884	<i>Bacillus</i>	0.094189	3.10E-05	0.022603	0.137099	0.000102	0.041148	0.414421	0.804319
<i>Paenibacillus</i>	0.149630	0.000108	0.042387	0.389685	0.001555	0.16099	0.155208	0.619539	<i>Paenibacillus</i>	0.174227	0.000131	0.04665	0.284235	0.00072	0.109521	0.408942	0.804319
<i>Pseudomonas</i>	0.560060	0.000236	0.062759	0.542984	0.002749	0.214058	0.949056	1	<i>Pseudomonas</i>	1.013387	0.005975	0.315563	0.831478	0.007382	0.350753	0.733170	0.991328
<i>Stenotrophomonas</i>	0.080699	4.30E-05	0.026801	0.043544	5.00E-05	0.028937	0.422163	0.774096	<i>Stenotrophomonas</i>	0.024522	3.00E-06	0.007454	0.038002	8.00E-06	0.011763	0.384626	0.804319

Note 1. SUM of main symbiotic nitrogen-fixing bacterial genera

2.513

0.546

2.166

0.404

Note 2. SUM of above main symbiotic and associate nitrogen-fixing bacterial genera

3.528

0.743

3.317

0.858

Note 3. SUM of main symbiotic nitrogen-fixing bacterial genera

1.217

0.204

1.535

0.383

Note 4. SUM of above main symbiotic and associate nitrogen-fixing bacterial genera.

2.577

0.611

2.870

0.910

Note 5. Table cells were filled with grey color indicated those genera are associate nitrogen fixing genera.

Note 6. Digits with red color indicated that the relative abundance of the genus in one sample was obviously higher than that of the other sample.

Note 7. Table cells were filled with orange color indicated that *p*-value was less than 0.05.

Table S10. Absolute abundances of main N-fixing genera in rhizosphere and surrounding soils of Z31&Z31J1(16S)

Absolute abundance of main nitrogen-fixing genera in Rhizosphere soil														Absolute abundance of main nitrogen-fixing genera in Surrounding soil																	
OTU No.	Taxonomy	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4	Z31DRh5	Z31DRh6	Average of Z31DRh	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	Average of Z31J1DRh	OTU No.	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Average of Z31DSO	Z31J1DSO1	Z31J1DSO2	Z31J1DSO3	Z31J1DSO4	Z31J1DSO5	Z31J1DSO6	Average of Z31J1DSO	
Otu2514	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Phyllobacteriaceae; Aminobacter</i>	3	0	0	0	0	0	1	0.7	1	0	0	0	0	0	0.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Otu8	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Bradyrhizobiaceae; Bradyrhizobium</i>	426	216	349	1817	1090	580	746.3	353	274	220	139	197	721	310.2	Otu23	316	142	356	178	204	136	222.0	600	142	218	243	192	198	198.6	
Otu1363	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Hyphomicrobiaceae; Devosia</i>	5	1	3	2	1	10	3.7	0	2	1	1	0	0	0.8	Otu1314	0	0	0	0	0	0	0.0	7	0	0	0	0	0	0	0
Otu245	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Phyllobacteriaceae; Mesorhizobium</i>	80	55	84	121	47	130	86.2	65	36	108	50	37	101	66.4	Otu286	45	38	57	25	13	22	33.3	76	11	20	16	23	21	18.2	
Otu555	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Methylobacteriaceae; Methylobacterium</i>	7	4	9	12	6	34	12.0	10	5	19	8	10	4	9.2	Otu604	1	1	4	14	5	10	5.8	13	10	5	6	24	6	10.2	
Otu243	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Brucellaceae; Ochrobactrum</i>	11	8	6	29	15	112	30.2	3	3	1	6	8	17	7.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Otu114	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Rhizobium</i>	57	25	59	286	19	96	90.3	43	17	8	21	14	42	20.4	Otu41	29	13	47	17	40	18	27.3	236	8	4	16	16	14	11.6	
MIXED	<i>Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia</i>	277	224	528	697	328	1049	517.2	570	475	646	637	306	622	537.2	MIXED	188	83	217	202	54	132	146.0	394	162	206	229	155	150	180.4	
MIXED	<i>Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium</i>	63	29	117	239	127	148	120.5	52	71	37	42	10	133	58.6	MIXED	41	21	48	24	30	18	30.3	293	12	21	318	24	21	79.2	
Otu140	<i>Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Alcaligenaceae; Achromobacter</i>	43	12	36	66	9	196	60.3	2	13	20	4	2	70	21.8	Otu587	9	6	17	3	1	20	9.3	16	3	7	7	3	4	4.8	
MIXED	<i>Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter;</i>	6	0	42	79	3	12	23.7	11	10	5	0	0	7	4.4	MIXED	11	5	9	10	9	16	10.0	5	19	6	8	4	24	12.2	
MIXED	<i>Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus;</i>	34	95	35	72	51	92	63.2	91	77	31	80	42	33	52.6	Otu134	4	12	44	24	19	48	25.2	109	11	20	32	112	26	40.2	
MIXED	<i>Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus</i>	96	46	65	312	37	33	98.2	209	41	121	210	14	493	175.8	MIXED	30	41	115	42	89	44	60.2	111	142	50	36	43	283	110.8	
MIXED	<i>Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas;</i>	259	226	259	514	158	802	369.7	110	67	588	99	117	552	284.6	Otu119	73	26	34	96	16	18	43.8	19	19	28	44	11	98	40	
MIXED	<i>Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas</i>	46	7	84	58	9	94	49.7	16	14	2	4	1	82	20.6	MIXED	1	2	11	11	10	16	8.5	20	24	1	8	12	27	14.4	
SUM of absolute abundance of above main symbiotic nitrogen-fixing bacteria at genus level		929	562	1155	3203	1633	2160	1607.0	1097	883	1040	904	582	1640	1024.33	0	620	298	729	460	346	336	464.8	1619	345	474	828	434	410	498.2	
SUM of absolute abundance of above main symbiotic and associate nitrogen-fixing bacteria at genus level		1413	948	1676	4304	1900	3389	2271.7	1536	1105	1807	1301	758	2877	1564.0	0	748	390	959	646	490	498	621.8	1899	563	586	963	619	872	720.6	

Note 1. ND = Not Detected.

#OTU_number	Z31DRh1	Z31DRh2	Z31DRh3	Z31DRh4r	Z31DRh5	Z31DRh6r	Z31J1DRh1	Z31J1DRh2	Z31J1DRh3	Z31J1DRh4	Z31J1DRh5	Z31J1DRh6	Taxonomy
Otu3824	0	0	1	2	0	3	2	1	0	1	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4029	0	0	2	3	0	1	1	0	0	1	1	1	1 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2677	0	0	2	0	0	2	0	0	0	1	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu183	54	16	21	176	12	4	112	16	55	130	0	0	116 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1819	0	0	2	5	0	0	0	0	0	0	0	0	2 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4194	0	0	0	0	1	1	3	1	0	2	1	0	2 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3631	3	0	0	0	0	0	0	0	0	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3246	0	0	0	0	0	0	0	0	0	2	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu714	3	1	0	34	14	5	1	0	1	1	0	0	4 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1878	0	0	10	13	3	8	5	3	0	3	1	1	1 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3605	0	0	0	0	0	0	0	0	2	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2833	0	0	0	0	0	0	0	2	0	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3571	0	0	0	6	0	3	0	0	0	0	0	1	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu277	1	12	6	13	4	4	32	5	3	34	6	6	88 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus; Paenibacillus_chondroitinus
Otu2540	0	0	0	0	0	0	0	0	0	2	0	0	6 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1553	0	0	0	9	1	0	2	2	1	2	1	1	1 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu4307	0	0	0	0	0	0	0	1	0	0	2	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu125	34	16	21	48	1	2	49	10	53	23	1	1	175 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1770	1	1	0	3	1	0	2	0	6	8	0	0	97 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
SUM of Paenibacillus	96	46	65	312	37	33	209	41	121	210	14	493	
Otu34	215	172	331	412	286	867	474	352	535	596	237	513	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu210	35	34	114	111	29	121	56	75	41	21	38	60	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu1129	27	18	83	174	13	61	40	48	70	20	31	49	Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
SUM of Burkholderia	277	224	528	697	328	1049	570	475	646	637	306	622	
Otu355	9	1	18	48	10	11	0	1	1	2	2	4	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium; Agrobacterium_vitis
Otu155	54	28	99	191	117	137	52	70	36	40	8	129	Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium
SUM of Agrobacterium	63	29	117	239	127	148	52	71	37	42	10	133	
Otu337	2	0	31	73	3	7	2	5	5	0	0	5	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_johnsonii
Otu1047	4	0	11	6	0	5	9	5	0	0	0	2	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_rhizosphaerae
SUM of Acinetobacter	6	0	42	79	3	12	11	10	5	0	0	7	
Otu1075	2	14	1	5	3	10	8	6	1	10	3	3	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_selenatarsenatis
Otu3005	28	74	29	56	39	64	73	61	30	49	31	24	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_flexus
Otu627	4	7	5	11	9	18	10	10	0	21	8	6	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_cereus
SUM of Bacillus	34	95	35	72	51	92	91	77	31	80	42	33	
Otu26	201	127	176	382	144	577	45	42	541	90	98	446	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_nitroreducens
Otu128	58	98	82	124	13	210	63	25	47	9	16	106	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_pseudoalcaligenes
Otu1882	0	1	1	8	1	15	2	0	0	0	3	0	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_veronii
SUM of Pseudomonas	259	226	259	514	158	802	110	67	588	99	117	552	
Otu280	44	7	84	58	9	84	10	14	2	3	0	42	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas
Otu578	2	0	0	0	0	10	6	0	0	1	1	40	Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas; Stenotrophomonas_acidaminiphila
SUM of Stenotrophomonas	46	7	84	58	9	94	16	14	2	4	1	82	

#OTU_number	Z31DSO1r	Z31DSO2	Z31DSO3	Z31DSO4	Z31DSO5	Z31DSO6	Z31JDSO1	Z31JDSO2	Z31JDSO3	Z31JDSO4	Z31JDSO5	Z31JDSO6	Taxonomy
Otu1699	0	0	3	0	0	0	0	0	0	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu976	2	3	4	0	3	9	12	0	4	8	7	7	4 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2426	2	0	4	1	5	0	3	1	2	1	5	5	1 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu194	0	0	6	3	2	0	1	0	3	0	0	0	88 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu3084	0	0	2	1	0	0	0	0	0	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2698	0	2	2	0	3	0	2	1	2	2	2	2	2 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2362	0	0	1	0	1	1	2	0	2	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1150	1	0	0	1	2	1	1	0	6	1	0	0	51 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu2848	0	0	0	2	0	0	1	0	0	0	0	0	0 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1376	0	4	6	2	3	0	14	4	2	0	0	0	1 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu121	0	3	11	3	2	3	10	27	7	9	3	3	96 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1745	0	1	0	1	0	0	4	0	0	1	2	2	1 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu215	22	21	68	21	66	29	48	104	17	13	15	15	23 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus
Otu1191	3	7	8	7	2	1	13	5	5	1	9	9	16 Bacteria; Firmicutes; Bacilli; Bacillales; Paenibacillaceae; Paenibacillus; Paenibacillus_chondroitinus
SUM of Paenibacillus	30	41	115	42	89	44	111	142	50	36	43	283	
Otu103	133	57	77	124	29	105	221	108	164	186	104	104	117 Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu670	29	14	100	57	12	22	119	39	19	28	17	17	21 Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
Otu290	26	12	40	21	13	5	54	15	23	15	34	34	12 Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales; Burkholderiaceae; Burkholderia
SUM of Burkholderia	188	83	217	202	54	132	394	162	206	229	155	150	
Otu941	2	2	7	2	9	3	3	0	0	0	2	2	1 Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium; Agrobacterium_vitis
Otu29	39	19	41	22	21	15	290	12	21	318	22	22	20 Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales; Rhizobiaceae; Agrobacterium
SUM of Agrobacterium	41	21	48	24	30	18	293	12	21	318	24	21	
Otu1464	9	4	8	3	5	5	1	4	5	8	4	4	1 Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_johnsonii
Otu512	2	1	1	7	4	11	4	15	1	0	0	0	23 Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter_rhizosphaerae
SUM of Acinetobacter	11	5	9	10	9	16	5	19	6	8	4	24	
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_selenatarsenatis
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_flexus
Otu134	4	12	44	24	19	48	109	11	20	32	112	112	26 Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus_cereus
SUM of Bacillus													
Otu119	73	26	34	96	16	18	19	19	28	44	11	11	98 Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_nitroreducens
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_pseudoalcaligenes
ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas_yeronii
SUM of Pseudomonas	73	26	34	96	16	18	19	19	28	44	11	98	
Otu486	1	2	11	10	10	16	16	23	1	7	12	12	27 Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas
Otu3359	0	0	0	1	0	0	4	1	0	1	0	0	0 Bacteria; Proteobacteria; Gammaproteobacteria; Xanthomonadales; Xanthomonadaceae; Stenotrophomonas; Stenotrophomonas_acidaminiphila
SUM of Stenotrophomonas	1	2	11	11	10	16	20	24	1	8	12	27	

Table S11. Quality control report and statistical summary of assembled metagenome sequencing data.

Assembly Software	IDBA-UD		SOAPdenovo2	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Raw reads	76,137,196	76,136,810	76,137,196	76,136,810
Total clean reads	74,051,686	73,890,210	74,051,686	73,890,210
Clean reads/Raw reads (%)	97.26	97.05	97.26	97.05
Read length (bp)	125	125	125	125
Total Clean Data (Gbp)	9.26	9.24	9.26	9.24
Q20 (%) ¹	92.56	92.68	92.56	92.68
Q30 (%) ²	85.31	85.49	85.31	85.49
Kmer (bp)	25 ~ 115	25 ~ 115	49	49
Contig Number	278,027	311,185	30,740	38,765
Assembly Length (bp)	284,282,204	331,098,452	34,031,196	40,198,245
N50 (bp)	1036	1099	1173	1084
N90 (bp)	548	555	580	576
Max size (bp)	131,028	133,181	99,923	36,645
Min size (bp)	500	500	500	500
Average Size (bp)	1023	1064	1107	1036
Mapped reads	1,933,928	3,628,691	272,249	321,585
Mapping rate (%) ³	2.6116	4.9109	0.3676	0.4352

¹ Q20 of MGZ31DRh or MGZ31J1DRh were more than 85%, the quality control standard.

² Q30 of MGZ31DRh or MGZ31J1DRh were more than 75%, the quality control standard.

³ Mapping rate was the number of total clean reads divided by the number of mapped reads.

Table S12. The absolute and relative abundances of major taxons at different classification level in rhizobacteria based on genes number(SOAP).

KINGDOM #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Bacteria</i>	30194	32108	63.407	60.933
<i>Unknown</i>	10083	12115	21.174	22.991
<i>Unclassified</i>	6841	7657	14.366	14.531
<i>Archaea</i>	257	552	0.540	1.048
<i>Viruses</i>	180	193	0.378	0.366
<i>Fungi</i>	64	69	0.134	0.131
SUM	47619	52694	100.000	100.000

PHYLUM #Taxonomy	Absolute abundance(gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Proteobacteria</i>	18361	19239	38.55813856	36.51079819
<i>Unknown</i>	10083	12115	21.17432117	22.9912324
<i>Unclassified</i>	9316	10451	19.56361956	19.83337761
<i>Actinobacteria</i>	3609	3828	7.578907579	7.264584203
<i>Bacteroidetes</i>	2072	2209	4.351204351	4.192128136
<i>Gemmatimonadetes</i>	1307	1403	2.744702745	2.662542225
<i>Acidobacteria</i>	952	1065	1.999201999	2.021102972
<i>Firmicutes</i>	608	706	1.276801277	1.339810984
<i>Cyanobacteria</i>	330	357	0.693000693	0.677496489
<i>Chloroflexi</i>	258	290	0.541800542	0.550347288
<i>Thaumarchaeota</i>	117	336	0.245700246	0.637643755
<i>Verrucomicrobia</i>	96	105	0.201600202	0.199263673
<i>Planctomycetes</i>	90	100	0.189000189	0.189774927
SUM	47199	52204	99.118	99.070

CLASS #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Unclassified</i>	11995	13581	25.18952519	25.77333283
<i>Alphaproteobacteria</i>	10317	10333	21.66572167	19.6094432
<i>Unknown</i>	10083	12115	21.17432117	22.9912324
<i>Betaproteobacteria</i>	4831	5325	10.14511015	10.10551486
<i>Actinobacteria</i>	3459	3652	7.263907264	6.930580332
<i>Gammaproteobacteria</i>	1760	1962	3.696003696	3.723384066
<i>Gemmatimonadetes</i>	1307	1403	2.744702745	2.662542225
<i>Acidobacteriia</i>	906	1015	1.902601903	1.926215508
<i>Sphingobacteriia</i>	879	926	1.845901846	1.757315823
<i>Deltaproteobacteria</i>	307	342	0.644700645	0.64903025
<i>Bacilli</i>	289	352	0.606900607	0.668007743
<i>Ktedonobacteria</i>	197	221	0.413700414	0.419402589
<i>Clostridia</i>	161	176	0.338100338	0.334003871
<i>Bacteroidia</i>	150	168	0.315000315	0.318821877
<i>Cytophagia</i>	130	140	0.273000273	0.265684898
<i>Thermoleophilia</i>	119	142	0.24990025	0.269480396
<i>Planctomycetia</i>	90	100	0.189000189	0.189774927
<i>Flavobacteriia</i>	69	78	0.144900145	0.148024443
<i>Verrucomicrobiae</i>	50	54	0.105000105	0.102478461
<i>Halobacteria</i>	44	49	0.092400092	0.092989714
SUM	47143	52134	99.00039901	98.93726041

ORDER	Order #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
		MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
	<i>Unclassified</i>	13897	15468	29.18372918	29.3543857
	<i>Unknown</i>	10083	12115	21.17432117	22.9912324
	<i>Rhizobiales</i>	7593	7560	15.94531595	14.34698448
	<i>Burkholderiales</i>	4464	4901	9.374409374	9.300869169
	<i>Sphingomonadales</i>	1969	1962	4.134904135	3.723384066
	<i>Actinomycetales</i>	1190	1241	2.499002499	2.355106843
	<i>Acidobacteriales</i>	906	1015	1.902601903	1.926215508
	<i>Sphingobacteriales</i>	879	926	1.845901846	1.757315823
	<i>Xanthomonadales</i>	632	653	1.327201327	1.239230273
	<i>Propionibacteriales</i>	602	616	1.264201264	1.16901355
	<i>Pseudomonadales</i>	446	508	0.936600937	0.964056629
	<i>Corynebacteriales</i>	385	425	0.808500809	0.806543439
	<i>Streptomycetales</i>	353	378	0.741300741	0.717349224
	<i>Bacillales</i>	237	283	0.497700498	0.537063043
	<i>Pseudonocardiales</i>	204	214	0.428400428	0.406118344
	<i>Enterobacteriales</i>	200	230	0.42000042	0.436482332
	<i>Micrococcales</i>	199	220	0.417900418	0.417504839
	<i>Ktedonobacterales</i>	197	221	0.413700414	0.419402589
	<i>Caulobacterales</i>	175	187	0.367500368	0.354879113
	<i>Caudovirales</i>	153	166	0.321300321	0.315026379
	<i>Bacteroidales</i>	150	168	0.315000315	0.318821877
	<i>Micromonosporales</i>	139	147	0.291900292	0.278969143

ORDER	Order #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
		MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
	<i>Clostridiales</i>	132	144	0.277200277	0.273275895
	<i>Cytophagales</i>	130	140	0.273000273	0.265684898
	<i>Solirubrobacterales</i>	119	142	0.24990025	0.269480396
	<i>Myxococcales</i>	117	127	0.245700246	0.241014157
	<i>Frankiales</i>	111	116	0.233100233	0.220138915
	<i>Rhodospirillales</i>	109	123	0.228900229	0.23342316
	<i>Nitrosopumilales</i>	106	302	0.222600223	0.573120279
	<i>Streptosporangiales</i>	106	112	0.222600223	0.212547918
	<i>Rhodobacterales</i>	101	114	0.212100212	0.216343417
	<i>Rhodocyclales</i>	83	102	0.174300174	0.193570425
	<i>Flavobacteriales</i>	64	72	0.134400134	0.136637947
	<i>Planctomycetales</i>	64	72	0.134400134	0.136637947
	<i>Oscillatoriales</i>	58	60	0.121800122	0.113864956
	<i>Desulfobacterales</i>	55	63	0.115500116	0.119558204
	<i>Verrucomicrobiales</i>	50	54	0.105000105	0.102478461
	<i>Chroococcales</i>	49	60	0.102900103	0.113864956
	<i>Alteromonadales</i>	44	51	0.092400092	0.096785213
	<i>Stigonematales</i>	43	43	0.09030009	0.081603219
	<i>Desulfuromonadales</i>	41	47	0.086100086	0.089194216
	<i>Lactobacillales</i>	40	52	0.084000084	0.098682962
	<i>Desulfovibrionales</i>	38	40	0.07980008	0.075909971
	<i>Neisseriales</i>	38	46	0.07980008	0.087296466

ORDER	Order #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
		MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
	<i>Chromatiales</i>	38	40	0.07980008	0.075909971
	<i>Nostocales</i>	36	37	0.075600076	0.070216723
	<i>Vibrionales</i>	36	37	0.075600076	0.070216723
	<i>Selenomonadales</i>	35	41	0.073500074	0.07780772
	<i>Chloroflexales</i>	34	39	0.071400071	0.074012222
	<i>Thiotrichales</i>	33	43	0.069300069	0.081603219
	<i>Rubrobacterales</i>	29	31	0.060900061	0.058830227
	<i>Gloeobacterales</i>	27	30	0.056700057	0.056932478
	<i>Nitrospirales</i>	24	30	0.05040005	0.056932478
	<i>Sordariales</i>	23	26	0.048300048	0.049341481
	<i>Geodermatophilales</i>	22	24	0.046200046	0.045545982
	<i>Acidithiobacillales</i>	22	25	0.046200046	0.047443732
	<i>Solibacterales</i>	21	22	0.044100044	0.041750484
	<i>Oceanospirillales</i>	21	23	0.044100044	0.043648233
	<i>Methylococcales</i>	21	30	0.044100044	0.056932478
SUM(genes)	SUM	47173	52164	99.06339906	98.99419289

FAMILY	Family	Absolute abundance (gene number)		Relative abundance (%)	
	#Taxonomy	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
	<i>Unclassified</i>	16127	17834	33.86673387	33.84446047
	<i>Unknown</i>	10083	12115	21.17432117	22.9912324
	<i>Bradyrhizobiaceae</i>	6899	6843	14.48791449	12.98629825
	<i>Burkholderiaceae</i>	3068	3204	6.442806443	6.080388659
	<i>Sphingomonadaceae</i>	1817	1813	3.815703816	3.440619425
	<i>Comamonadaceae</i>	920	1139	1.932001932	2.161536418
	<i>Acidobacteriaceae</i>	906	1015	1.902601903	1.926215508
	<i>Sphingobacteriaceae</i>	778	811	1.633801634	1.539074657
	<i>Xanthomonadaceae</i>	618	638	1.297801298	1.210764034
	<i>Nocardioideae</i>	587	600	1.232701233	1.138649562
	<i>Pseudomonadaceae</i>	393	449	0.825300825	0.852089422
	<i>Streptomycetaceae</i>	353	378	0.741300741	0.717349224
	<i>Rhizobiaceae</i>	236	250	0.495600496	0.474437317
	<i>Pseudonocardiaceae</i>	204	214	0.428400428	0.406118344
	<i>Enterobacteriaceae</i>	200	230	0.42000042	0.436482332
	<i>Ktedonobacteraceae</i>	197	221	0.413700414	0.419402589
	<i>Caulobacteraceae</i>	175	187	0.367500368	0.354879113
	<i>Mycobacteriaceae</i>	144	156	0.302400302	0.296048886
	<i>Micromonosporaceae</i>	139	147	0.291900292	0.278969143
	<i>Nocardiaceae</i>	116	128	0.243600244	0.242911906
	<i>Patulibacteraceae</i>	115	138	0.241500242	0.261889399
	<i>Oxalobacteraceae</i>	113	132	0.237300237	0.250502904
	<i>Cytophagaceae</i>	111	117	0.233100233	0.222036665
	<i>Phyllobacteriaceae</i>	111	108	0.233100233	0.204956921
	<i>Nitrosopumilaceae</i>	106	302	0.222600223	0.573120279
	<i>Rhodobacteraceae</i>	92	104	0.193200193	0.197365924
	<i>Rhodocyclaceae</i>	83	102	0.174300174	0.193570425
	<i>Paenibacillaceae</i>	79	89	0.165900166	0.168899685

FAMILY	Family #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
		MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
	<i>Bacillaceae</i>	77	95		0.161700162	0.180286181
	<i>Frankiaceae</i>	76	80		0.15960016	0.151819942
	<i>Methylobacteriaceae</i>	75	77		0.157500158	0.146126694
	<i>Microbacteriaceae</i>	73	81		0.153300153	0.153717691
	<i>Siphoviridae</i>	73	77		0.153300153	0.146126694
	<i>Chitinophagaceae</i>	65	76		0.136500137	0.144228944
	<i>Planctomycetaceae</i>	64	72		0.134400134	0.136637947
	<i>Cystobacteraceae</i>	60	64		0.126000126	0.121455953
	<i>Flavobacteriaceae</i>	59	66		0.123900124	0.125251452
	<i>Alcaligenaceae</i>	59	70		0.123900124	0.132842449
	<i>Bacteroidaceae</i>	58	65		0.121800122	0.123353703
	<i>Desulfobacteraceae</i>	55	63		0.115500116	0.119558204
	<i>Brucellaceae</i>	55	57		0.115500116	0.108171708
	<i>Acetobacteraceae</i>	53	57		0.111300111	0.108171708
	<i>Rhodospirillaceae</i>	52	62		0.109200109	0.117660455
	<i>Myoviridae</i>	46	53		0.096600097	0.100580711
	<i>Nocardiopsaceae</i>	43	45		0.09030009	0.085398717
	<i>Clostridiaceae</i>	38	42		0.07980008	0.079705469
	<i>Intrasporangiaceae</i>	37	40		0.077700078	0.075909971
	<i>Vibrionaceae</i>	36	37		0.075600076	0.070216723
	<i>Geobacteraceae</i>	36	39		0.075600076	0.074012222
	<i>Leptospiraceae</i>	35	40		0.073500074	0.075909971
	<i>Desulfovibrionaceae</i>	34	36		0.071400071	0.068318974
	<i>Gordoniaceae</i>	33	38		0.069300069	0.072114472
	<i>Micrococcaceae</i>	33	42		0.069300069	0.079705469
	<i>Verrucomicrobia subdivision 3</i>	32	37		0.067200067	0.070216723
	<i>Veillonellaceae</i>	31	37		0.065100065	0.070216723
	<i>Moraxellaceae</i>	31	37		0.065100065	0.070216723
	<i>Thiotrichaceae</i>	31	39		0.065100065	0.074012222

FAMILY	Family #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
		MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
	<i>Streptosporangiaceae</i>	30	34	0.063000063	0.064523475
	<i>Rubrobacteraceae</i>	29	31	0.060900061	0.058830227
	<i>Porphyromonadaceae</i>	27	32	0.056700057	0.060727977
	<i>Polyangiaceae</i>	27	32	0.056700057	0.060727977
	<i>Neisseriaceae</i>	26	30	0.054600055	0.056932478
	<i>Marinilabiliaceae</i>	25	31	0.052500053	0.058830227
	<i>Peptococcaceae</i>	24	26	0.05040005	0.049341481
	<i>Nitrospiraceae</i>	24	30	0.05040005	0.056932478
	<i>Ectothiorhodospiraceae</i>	23	23	0.048300048	0.043648233
	<i>Thermomonosporaceae</i>	23	23	0.048300048	0.043648233
	<i>Sordariaceae</i>	22	25	0.046200046	0.047443732
	<i>Acidithiobacillaceae</i>	22	25	0.046200046	0.047443732
	<i>Geodermatophilaceae</i>	22	24	0.046200046	0.045545982
	<i>Pseudoalteromonadaceae</i>	21	20	0.044100044	0.037954985
	<i>Solibacteraceae</i>	21	22	0.044100044	0.041750484
	<i>Candidatus Brocadiaceae</i>	21	23	0.044100044	0.043648233
	<i>Chloroflexaceae</i>	21	24	0.044100044	0.045545982
	<i>Corynebacteriaceae</i>	20	23	0.042000042	0.043648233
	<i>Halobacteriaceae</i>	19	21	0.03990004	0.039852735
	<i>Nostocaceae</i>	19	20	0.03990004	0.037954985
	<i>Methylococcaceae</i>	19	17	0.03990004	0.032261738
	<i>Thermaceae</i>	18	22	0.037800038	0.041750484
	<i>Erythrobacteraceae</i>	18	18	0.037800038	0.034159487
	<i>Podoviridae</i>	18	21	0.037800038	0.039852735
	<i>Deinococcaceae</i>	17	21	0.035700036	0.039852735
	<i>Methylocystaceae</i>	17	16	0.035700036	0.030363988
	<i>Aquificaceae</i>	17	21	0.035700036	0.039852735
	<i>Listeriaceae</i>	16	21	0.033600034	0.039852735
	<i>Sporichthyaceae</i>	16	16	0.033600034	0.030363988

FAMILY	Family #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
		MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
	<i>Alteromonadaceae</i>	15	21	0.031500032	0.039852735
	<i>Methylophilaceae</i>	15	16	0.031500032	0.030363988
	<i>Lachnospiraceae</i>	15	15	0.031500032	0.028466239
	<i>Chromatiaceae</i>	15	17	0.031500032	0.032261738
	<i>Prevotellaceae</i>	15	16	0.031500032	0.030363988
	<i>Nitrospinaceae</i>	15	15	0.031500032	0.028466239
	<i>Actinomycetaceae</i>	14	17	0.029400029	0.032261738
	<i>Propionibacteriaceae</i>	14	15	0.029400029	0.028466239
	<i>Streptococcaceae</i>	14	17	0.029400029	0.032261738
	<i>Pasteurellaceae</i>	14	19	0.029400029	0.036057236
	<i>Hydrogenophilaceae</i>	14	16	0.029400029	0.030363988
	<i>Cryptosporangiaceae</i>	14	15	0.029400029	0.028466239
	<i>Natrialbaceae</i>	14	15	0.029400029	0.028466239
	<i>Thermoanaerobacteraceae</i>	14	17	0.029400029	0.032261738
	<i>Gemmatimonadaceae</i>	13	14	0.027300027	0.02656849
	<i>Sinobacteraceae</i>	13	14	0.027300027	0.02656849
	<i>Thermodesulfobacteriaceae</i>	12	13	0.025200025	0.024670741
	<i>Chromobacteriaceae</i>	12	16	0.025200025	0.030363988
	<i>Hyphomicrobiaceae</i>	12		0.025200025	
	<i>Rhodothermaceae</i>	11		0.023100023	
	<i>Haloferacaceae</i>	11	13	0.023100023	0.024670741
	<i>Cellulomonadaceae</i>	11		0.023100023	
	<i>Lactobacillaceae</i>		13		0.024670741
	<i>Nitrosomonadaceae</i>		14		0.02656849
	<i>Thermodesulfobacteriaceae</i>		13		0.024670741
	<i>Halomonadaceae</i>		13		0.024670741
SUM(genes)	SUM	47139	52134	98.991999	98.93726042

GENUS #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Unclassified</i>	18777	20784	39.43173943	39.44282081
<i>Unknown</i>	10083	12115	21.17432117	22.9912324
<i>Bradyrhizobium</i>	6645	6586	13.95451395	12.49857669
<i>Ralstonia</i>	2256	2298	4.737604738	4.361027821
<i>Burkholderia</i>	642	714	1.348201348	1.354992978
<i>Sphingomonas</i>	502	516	1.054201054	0.979238623
<i>Mucilaginibacter</i>	467	483	0.980700981	0.916612897
<i>Aeromicrobium</i>	423	427	0.888300888	0.810338938
<i>Pseudomonas</i>	392	448	0.823200823	0.850191673
<i>Novosphingobium</i>	377	365	0.791700792	0.692678483
<i>Streptomyces</i>	343	367	0.72030072	0.696473982
<i>Variovorax</i>	326	354	0.684600685	0.671803241
<i>Rudaea</i>	312	323	0.655200655	0.612973014
<i>Ktedonobacter</i>	197	221	0.413700414	0.419402589
<i>Pedobacter</i>	180	193	0.378000378	0.366265609
<i>Sphingobium</i>	143	148	0.3003003	0.280866892

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Mycobacterium</i>	143	156		0.3003003	0.296048886
<i>Caulobacter</i>	123	130		0.258300258	0.246707405
<i>Xanthomonas</i>	117	123		0.245700246	0.23342316
<i>Patulibacter</i>	115	138		0.241500242	0.261889399
<i>Rhizobium</i>	108	119		0.226800227	0.225832163
<i>Candidatus Koribacter</i>	106	118		0.222600223	0.223934414
<i>Rhodococcus</i>	83	94		0.174300174	0.178388431
<i>Mesorhizobium</i>	80	81		0.168000168	0.153717691
<i>Cupriavidus</i>	77	85		0.161700162	0.161308688
<i>Frankia</i>	76	80		0.15960016	0.151819942
<i>Acidovorax</i>	75	110		0.157500158	0.20875242
<i>Polaromonas</i>	73	99		0.153300153	0.187877178
<i>Amycolatopsis</i>	68	69		0.142800143	0.1309447
<i>Sinorhizobium</i>	59	58		0.123900124	0.110069458
<i>Bacteroides</i>	58	65		0.121800122	0.123353703
<i>Rhodopseudomonas</i>	51	50		0.107100107	0.094887463

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Methylobacterium</i>	51	51		0.107100107	0.096785213
<i>Bacillus</i>	49	63		0.102900103	0.119558204
<i>Terriglobus</i>	43	45		0.09030009	0.085398717
<i>Nocardiopsis</i>	40	42		0.084000084	0.079705469
<i>Paenibacillus</i>	40	46		0.084000084	0.087296466
<i>Afipia</i>	39	38		0.081900082	0.072114472
<i>Nocardioides</i>	39	41		0.081900082	0.07780772
<i>Rhodanobacter</i>	39	41		0.081900082	0.07780772
<i>Cystobacter</i>	39	42		0.081900082	0.079705469
<i>Brucella</i>	36	38		0.075600076	0.072114472
<i>Escherichia</i>	35	44		0.073500074	0.083500968
<i>Leptospira</i>	35	39		0.073500074	0.074012222
<i>Curvibacter</i>	34	45		0.071400071	0.085398717
<i>Dyella</i>	34	33		0.071400071	0.062625726
<i>Gordonia</i>	33	38		0.069300069	0.072114472
<i>Pedosphaera</i>	32	37		0.067200067	0.070216723

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Thauera</i>	32	36		0.067200067	0.068318974
<i>Desulfovibrio</i>	32	32		0.067200067	0.060727977
<i>Agrobacterium</i>	31	34		0.065100065	0.064523475
<i>Acinetobacter</i>	31	36		0.065100065	0.068318974
<i>Kutzneria</i>	31	34		0.065100065	0.064523475
<i>Clostridium</i>	29	33		0.060900061	0.062625726
<i>Herbaspirillum</i>	29	36		0.060900061	0.068318974
<i>Smaragdicoccus</i>	29	29		0.060900061	0.055034729
<i>Vibrio</i>	29	30		0.060900061	0.056932478
<i>Rubrobacter</i>	29	31		0.060900061	0.058830227
<i>Actinoplanes</i>	28	31		0.058800059	0.058830227
<i>Gloeobacter</i>	27	30		0.056700057	0.056932478
<i>Segetibacter</i>	27	30		0.056700057	0.056932478
<i>Bordetella</i>	27	28		0.056700057	0.05313698
<i>Kribbella</i>	26	28		0.054600055	0.05313698
<i>Brevibacillus</i>	26	29		0.054600055	0.055034729

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Arthrobacter</i>	26	33		0.054600055	0.062625726
<i>Micromonospora</i>	26	26		0.054600055	0.049341481
<i>Salinispora</i>	26	30		0.054600055	0.056932478
<i>Candidatus Magnetoglobus</i>	25	33		0.052500053	0.062625726
<i>Chondromyces</i>	25	27		0.052500053	0.05123923
<i>Geobacter</i>	25	28		0.052500053	0.05313698
<i>Candidatus Nitrosoarchaeum</i>	25	83		0.052500053	0.157513189
<i>Flavobacterium</i>	24	28		0.05040005	0.05313698
<i>Janthinobacterium</i>	24	29		0.05040005	0.055034729
<i>Microvirga</i>	24	26		0.05040005	0.049341481
<i>Hydrogenophaga</i>	24	28		0.05040005	0.05313698
<i>Caldithrix</i>	24	25		0.05040005	0.047443732
<i>Actinomadura</i>	23	23		0.048300048	0.043648233
<i>Beggiatoa</i>	23	29		0.048300048	0.055034729
<i>Salmonella</i>	23	31		0.048300048	0.058830227
<i>Pontibacter</i>	22	22		0.046200046	0.041750484

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Verminephrobacter</i>	22	30		0.046200046	0.056932478
<i>Acidithiobacillus</i>	22	25		0.046200046	0.047443732
<i>Yersinia</i>	22	24		0.046200046	0.045545982
<i>Rubellimicrobium</i>	22	21		0.046200046	0.039852735
<i>Sordaria</i>	22	25		0.046200046	0.047443732
<i>Niabella</i>	22	31		0.046200046	0.058830227
<i>Granulicella</i>	22	24		0.046200046	0.045545982
<i>Chloroflexus</i>	21	24		0.044100044	0.045545982
<i>Fischerella</i>	21	19		0.044100044	0.036057236
<i>Pseudoalteromonas</i>	21	20		0.044100044	0.037954985
<i>Intrasporangium</i>	21	22		0.044100044	0.041750484
<i>Ideonella</i>	21	27		0.044100044	0.05123923
<i>Candidatus Solibacter</i>	21	22		0.044100044	0.041750484
<i>Methyloversatilis</i>	20	20		0.042000042	0.037954985
<i>Stigmatella</i>	20	21		0.042000042	0.039852735
<i>Microbacterium</i>	20	21		0.042000042	0.039852735

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Neisseria</i>	20	22		0.042000042	0.041750484
<i>Saccharicrinis</i>	20	25		0.042000042	0.047443732
<i>Nitrobacter</i>	20	19		0.042000042	0.036057236
<i>Microbispora</i>	19	22		0.03990004	0.041750484
<i>Crocospaera</i>	19	22		0.03990004	0.041750484
<i>Comamonas</i>	18	21		0.037800038	0.039852735
<i>Sphingobacterium</i>	18	18		0.037800038	0.034159487
<i>Stenotrophomonas</i>	18	16		0.037800038	0.030363988
<i>Erythrobacter</i>	18	18		0.037800038	0.034159487
<i>Spirosoma</i>	17	19		0.035700036	0.036057236
<i>Deinococcus</i>	17	21		0.035700036	0.039852735
<i>Massilia</i>	17	18		0.035700036	0.034159487
<i>Azospirillum</i>	17	23		0.035700036	0.043648233
<i>Achromobacter</i>	17	23		0.035700036	0.043648233
<i>Ochrobactrum</i>	16	16		0.033600034	0.030363988
<i>Sporichthya</i>	16	16		0.033600034	0.030363988

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Listeria</i>	16	16		0.033600034	0.030363988
<i>Blastococcus</i>	15	16		0.031500032	0.030363988
<i>Corynebacterium</i>	15	16		0.031500032	0.030363988
<i>Thioalkalivibrio</i>	15	16		0.031500032	0.030363988
<i>Chloracidobacterium</i>	15	16		0.031500032	0.030363988
<i>Nitrospina</i>	15	15		0.031500032	0.028466239
<i>Saccharomonospora</i>	15	15		0.031500032	0.028466239
<i>Gemmata</i>	15	17		0.031500032	0.032261738
<i>Actinokineospora</i>	15	15		0.031500032	0.028466239
<i>Brevundimonas</i>	14	18		0.029400029	0.034159487
<i>Cryptosporangium</i>	14	15		0.029400029	0.028466239
<i>Acidobacterium</i>	14	18		0.029400029	0.034159487
<i>Parabacteroides</i>	14	16		0.029400029	0.030363988
<i>Nitrosopumilus</i>	13	49		0.027300027	0.092989714
<i>Thiobacillus</i>	13	15		0.027300027	0.028466239
<i>Prevotella</i>	13	14		0.027300027	0.02656849

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Candidatus Kuenenia</i>	13	14		0.027300027	0.02656849
<i>Gemmatimonas</i>	13	14		0.027300027	0.02656849
<i>Thermus</i>	13	16		0.027300027	0.030363988
<i>Curtobacterium</i>	13	15		0.027300027	0.028466239
<i>Azoarcus</i>	13	15		0.027300027	0.028466239
<i>Actinopolymorpha</i>	13	15		0.027300027	0.028466239
<i>Citromicrobium</i>	12	13		0.025200025	0.024670741
<i>Pseudonocardia</i>	12	12		0.025200025	0.022772991
<i>Nitratireductor</i>	12	11		0.025200025	0.020875242
<i>Leifsonia</i>	12	14		0.025200025	0.02656849
<i>Dyadobacter</i>	12	12		0.025200025	0.022772991
<i>Catelliglobospora</i>	12	13		0.025200025	0.024670741
<i>Streptococcus</i>	12	15		0.025200025	0.028466239
<i>Chthoniobacter</i>	12	16		0.025200025	0.030363988
<i>Desulfococcus</i>	11	11		0.023100023	0.020875242
<i>Ramlibacter</i>	11	17		0.023100023	0.032261738

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Propionibacterium</i>	11	12		0.023100023	0.022772991
<i>Actinomyces</i>	11	13		0.023100023	0.024670741
<i>Limnohabitans</i>	11	14		0.023100023	0.02656849
<i>Longispora</i>	11	10		0.023100023	0.018977493
<i>Chlorogloeopsis</i>	11	12		0.023100023	0.022772991
<i>Hymenobacter</i>	11	12		0.023100023	0.022772991
<i>Zavarzinella</i>	10	12		0.021000021	0.022772991
<i>Rubrivivax</i>	10	12		0.021000021	0.022772991
<i>Thermodesulfatator</i>	10	11		0.021000021	0.020875242
<i>Kaistia</i>	10	9		0.021000021	0.017079743
<i>Hydrogenivirga</i>	10	13		0.021000021	0.024670741
<i>Desulfosporosinus</i>	10	12		0.021000021	0.022772991
<i>Oscillatoria</i>	10	10		0.021000021	0.018977493
<i>Methylocystis</i>	10	9		0.021000021	0.017079743
<i>Delftia</i>	10	12		0.021000021	0.022772991
<i>Oscillochloris</i>	10	12		0.021000021	0.022772991

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Nitrosospira</i>	10	12		0.021000021	0.022772991
<i>Acidiphilium</i>	9	9		0.018900019	0.017079743
<i>Janibacter</i>	9	11		0.018900019	0.020875242
<i>Nonomuraea</i>	9	10		0.018900019	0.018977493
<i>Hylemonella</i>	9	9		0.018900019	0.017079743
<i>Moorella</i>	9	9		0.018900019	0.017079743
<i>Geobacillus</i>	9	11		0.018900019	0.020875242
<i>Verrucomicrobium</i>	9	8		0.018900019	0.015181994
<i>T4likevirus</i>	9	9		0.018900019	0.017079743
<i>Oceanicola</i>	9	8		0.018900019	0.015181994
<i>Bcep78likevirus</i>	9	15		0.018900019	0.028466239
<i>Singulisphaera</i>	9	10		0.018900019	0.018977493
<i>Scytonema</i>	9	9		0.018900019	0.017079743
<i>Ruegeria</i>	9	13		0.018900019	0.024670741
<i>Bartonella</i>	9	9		0.018900019	0.017079743
<i>Rhodomicrobium</i>	9	8		0.018900019	0.015181994

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Actinotalea</i>	9	11		0.018900019	0.020875242
<i>Lactobacillus</i>	9	13		0.018900019	0.024670741
<i>Geopsychrobacter</i>	9	9		0.018900019	0.017079743
<i>Nitrospira</i>	8	9		0.016800017	0.017079743
<i>Solimonas</i>	8	10		0.016800017	0.018977493
<i>Saccharopolyspora</i>	8	11		0.016800017	0.020875242
<i>Gracilimonas</i>	8	7		0.016800017	0.013284245
<i>Fibrisoma</i>	8	8		0.016800017	0.015181994
<i>Rhodobacter</i>	8	8		0.016800017	0.015181994
<i>Wolbachia</i>	8	4		0.016800017	0.007590997
<i>Klebsiella</i>	8	6		0.016800017	0.011386496
<i>Leptospirillum</i>	8	11		0.016800017	0.020875242
<i>Dehalobacter</i>	8	7		0.016800017	0.013284245
<i>Marinobacter</i>	8	10		0.016800017	0.018977493
<i>Thermaerobacter</i>	8	9		0.016800017	0.017079743
<i>Sphingopyxis</i>	8	8		0.016800017	0.015181994

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Candidatus Jettenia</i>		8	9	0.016800017	0.017079743
<i>Halomonas</i>		8	10	0.016800017	0.018977493
<i>Asticcacaulis</i>		8	8	0.016800017	0.015181994
<i>Calothrix</i>		7	7	0.014700015	0.013284245
<i>Treponema</i>		7	10	0.014700015	0.018977493
<i>Salinibacter</i>		7	7	0.014700015	0.013284245
<i>Pseudogulbenkiania</i>		7	10	0.014700015	0.018977493
<i>Rudanella</i>		7	7	0.014700015	0.013284245
<i>Cyanothece</i>		7	8	0.014700015	0.015181994
<i>Roseomonas</i>		7	7	0.014700015	0.013284245
<i>Zymomonas</i>		7	7	0.014700015	0.013284245
<i>Microcystis</i>		7	10	0.014700015	0.018977493
<i>Xylella</i>		7	6	0.014700015	0.011386496
<i>Phaeospirillum</i>		7	7	0.014700015	0.013284245
<i>Komagataeibacter</i>		7	7	0.014700015	0.013284245
<i>Xanthobacter</i>		7	7	0.014700015	0.013284245

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Acetobacter</i>	7	8		0.014700015	0.015181994
<i>Richelia</i>	7	8		0.014700015	0.015181994
<i>Thermodesulfovibrio</i>	7	8		0.014700015	0.015181994
<i>Caldilinea</i>	7	7		0.014700015	0.013284245
<i>Methylosinus</i>	7	8		0.014700015	0.015181994
<i>Methylobacter</i>	7	9		0.014700015	0.017079743
<i>Roseovarius</i>	6	6		0.012600013	0.011386496
<i>Elizabethkingia</i>	6	5		0.012600013	0.009488746
<i>Myxococcus</i>	6	8		0.012600013	0.015181994
<i>Halococcus</i>	6	6		0.012600013	0.011386496
<i>Uliginosibacterium</i>	6	17		0.012600013	0.032261738
<i>Dictyoglomus</i>	6	6		0.012600013	0.011386496
<i>Promicromonospora</i>	6	6		0.012600013	0.011386496
<i>Rhodovulum</i>	6	6		0.012600013	0.011386496
<i>Pelosinus</i>	6	6		0.012600013	0.011386496
<i>Haemophilus</i>	6	7		0.012600013	0.013284245

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Actinoalloteichus</i>	6	6		0.012600013	0.011386496
<i>Thiothrix</i>	6	8		0.012600013	0.015181994
<i>Desmospora</i>	6	6		0.012600013	0.011386496
<i>Schlesneria</i>	6	6		0.012600013	0.011386496
<i>Lyngbya</i>	6	8		0.012600013	0.015181994
<i>Magnetospirillum</i>	6	5		0.012600013	0.009488746
<i>Peptoclostridium</i>	6	6		0.012600013	0.011386496
<i>Acaryochloris</i>	6	7		0.012600013	0.013284245
<i>Aquamicrobium</i>	6	5		0.012600013	0.009488746
<i>Methyloferula</i>	5	5		0.010500011	0.009488746
<i>Desulfobacter</i>	5	5		0.010500011	0.009488746
<i>Leptolyngbya</i>	5	6		0.010500011	0.011386496
<i>Alcaligenes</i>	5	6		0.010500011	0.011386496
<i>Meiothermus</i>	5	5		0.010500011	0.009488746
<i>Amorphus</i>	5	5		0.010500011	0.009488746
<i>Enterococcus</i>	5	8		0.010500011	0.015181994

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Sandarakinorhabdus</i>	5	5	5	0.010500011	0.009488746
<i>Pseudaminobacter</i>	5	5	5	0.010500011	0.009488746
<i>Gluconacetobacter</i>	5	5	5	0.010500011	0.009488746
<i>Moorea</i>	5	5	5	0.010500011	0.009488746
<i>Coleofasciculus</i>	5	5	5	0.010500011	0.009488746
<i>Helicobacter</i>	5	5	6	0.010500011	0.011386496
<i>Nitrococcus</i>	5	5	5	0.010500011	0.009488746
<i>Rhodopirellula</i>	5	5	5	0.010500011	0.009488746
<i>Anaerophaga</i>	5	5	5	0.010500011	0.009488746
<i>Aeromonas</i>	5	5	7	0.010500011	0.013284245
<i>Lewinella</i>	5	5	5	0.010500011	0.009488746
<i>Plesiocystis</i>	5	5	4	0.010500011	0.007590997
<i>Thiomonas</i>	5	5	5	0.010500011	0.009488746
<i>Gimesia</i>	5	5	5	0.010500011	0.009488746
<i>Duganella</i>	5	5	7	0.010500011	0.013284245
<i>Rhodospirillum</i>	5	5	5	0.010500011	0.009488746

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Kineosphaera</i>		5	6	0.010500011	0.011386496
<i>Diplorickettsia</i>		5	7	0.010500011	0.013284245
<i>Methanothermobacter</i>		4	5	0.008400008	0.009488746
<i>Microscilla</i>		4	4	0.008400008	0.007590997
<i>Teredinibacter</i>		4	4	0.008400008	0.007590997
<i>Arthrospira</i>		4	5	0.008400008	0.009488746
<i>Thermosinus</i>		4	5	0.008400008	0.009488746
<i>Pseudogymnoascus</i>		4	3	0.008400008	0.005693248
<i>Thanatephorus</i>		4	4	0.008400008	0.007590997
<i>Photorhabdus</i>		4	5	0.008400008	0.009488746
<i>Chryseobacterium</i>		4	4	0.008400008	0.007590997
<i>Methylosarcina</i>		4	4	0.008400008	0.007590997
<i>Rhodonellum</i>		4	4	0.008400008	0.007590997
<i>Hahella</i>		4	4	0.008400008	0.007590997
<i>Winogradskyella</i>		4	3	0.008400008	0.005693248
<i>Gryllotalpicola</i>		4	5	0.008400008	0.009488746

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Candidatus Caldiarchaeum</i>		4	5	0.008400008	0.009488746
<i>Candidatus Arthromitus</i>		4	4	0.008400008	0.007590997
<i>Erwinia</i>		4	4	0.008400008	0.007590997
<i>Sporomusa</i>		4	5	0.008400008	0.009488746
<i>Synechococcus</i>		4	6	0.008400008	0.011386496
<i>Glaciibacter</i>		4	4	0.008400008	0.007590997
<i>Desulfonatronospira</i>		4	4	0.008400008	0.007590997
<i>Enterobacter</i>		4	3	0.008400008	0.005693248
<i>Aneurinibacillus</i>		4	5	0.008400008	0.009488746
<i>Modestobacter</i>		4	5	0.008400008	0.009488746
<i>Yualikevirus</i>		4	8	0.008400008	0.015181994
<i>Marichromatium</i>		4	4	0.008400008	0.007590997
<i>Labrenzia</i>		4	6	0.008400008	0.011386496
<i>Chitiniphilus</i>		4	5	0.008400008	0.009488746
<i>Porphyromonas</i>		4	5	0.008400008	0.009488746
<i>Candidatus Methyloirabilis</i>		4	5	0.008400008	0.009488746

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Haloferax</i>	4	5		0.008400008	0.009488746
<i>Chlorobium</i>	4	4		0.008400008	0.007590997
<i>Staphylococcus</i>	4	6		0.008400008	0.011386496
<i>Pseudanabaena</i>	4	3		0.008400008	0.005693248
<i>Dietzia</i>	4	5		0.008400008	0.009488746
<i>Natronococcus</i>	4	4		0.008400008	0.007590997
<i>Actinomycetospora</i>	4	3		0.008400008	0.005693248
<i>Pandoraea</i>	4	6		0.008400008	0.011386496
<i>Desulfospira</i>	4	4		0.008400008	0.007590997
<i>Proteiniphilum</i>	4	4		0.008400008	0.007590997
<i>Anaerolinea</i>	3	3		0.006300006	0.005693248
<i>Selenomonas</i>	3	5		0.006300006	0.009488746
<i>Anaeromusa</i>	3	3		0.006300006	0.005693248
<i>Nesterenkonia</i>	3	3		0.006300006	0.005693248
<i>Roseobacter</i>	3	3		0.006300006	0.005693248
<i>Desulfurispora</i>	3	3		0.006300006	0.005693248

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Gillisia</i>	3	3		0.006300006	0.005693248
<i>Balneola</i>	3	3		0.006300006	0.005693248
<i>Candidatus Microthrix</i>	3	5		0.006300006	0.009488746
<i>Methylophilus</i>	3	2		0.006300006	0.003795499
<i>Leisingera</i>	3	3		0.006300006	0.005693248
<i>Methylacidiphilum</i>	3	3		0.006300006	0.005693248
<i>Anaerobaculum</i>	3	4		0.006300006	0.007590997
<i>Legionella</i>	3	7		0.006300006	0.013284245
<i>Macrophomina</i>	3	3		0.006300006	0.005693248
<i>Methylovulum</i>	3	3		0.006300006	0.005693248
<i>Ruminiclostridium</i>	3	5		0.006300006	0.009488746
<i>Caenispirillum</i>	3	3		0.006300006	0.005693248
<i>Oceanibaculum</i>	3	5		0.006300006	0.009488746
<i>Heliobacillus</i>	3	4		0.006300006	0.007590997
<i>Coprococcus</i>	3	3		0.006300006	0.005693248
<i>Arenimonas</i>	3	4		0.006300006	0.007590997

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Rickettsia</i>	3	7		0.006300006	0.013284245
<i>Bifidobacterium</i>	3	4		0.006300006	0.007590997
<i>Thalassobium</i>	3	3		0.006300006	0.005693248
<i>Advenella</i>	3	3		0.006300006	0.005693248
<i>Methanosarcina</i>	3	4		0.006300006	0.007590997
<i>Laceyella</i>	3	4		0.006300006	0.007590997
<i>Mariprofundus</i>	3	4		0.006300006	0.007590997
<i>Caldimonas</i>	3	5		0.006300006	0.009488746
<i>Marteella</i>	3	6		0.006300006	0.011386496
<i>Clavibacter</i>	3	3		0.006300006	0.005693248
<i>Solitalea</i>	3			0.006300006	
<i>Chlorobaculum</i>	3	3		0.006300006	0.005693248
<i>Dasania</i>	3	3		0.006300006	0.005693248
<i>Alcanivorax</i>	3	3		0.006300006	0.005693248
<i>Cecembia</i>	3	3		0.006300006	0.005693248
<i>T7likevirus</i>	3	6		0.006300006	0.011386496

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Kordiimonas</i>	3	3		0.006300006	0.005693248
<i>Candidatus Korarchaeum</i>	3	6		0.006300006	0.011386496
<i>Serratia</i>	3	3		0.006300006	0.005693248
<i>Myroides</i>	3	4		0.006300006	0.007590997
<i>Phenylobacterium</i>	3	3		0.006300006	0.005693248
<i>Pantoea</i>	3	3		0.006300006	0.005693248
<i>Hyphomicrobium</i>	3	3		0.006300006	0.005693248
<i>Sulfurihydrogenibium</i>	3	5		0.006300006	0.009488746
<i>Kiloniella</i>	3	3		0.006300006	0.005693248
<i>Caldalkalibacillus</i>	3			0.006300006	
<i>Roseibium</i>	3	3		0.006300006	0.005693248
<i>Tomitella</i>	3	4		0.006300006	0.007590997
<i>Effusibacillus</i>	3	3		0.006300006	0.005693248
<i>Fluoribacter</i>	3	3		0.006300006	0.005693248
<i>Methylotenera</i>	3	5		0.006300006	0.009488746
<i>Nevskia</i>	3			0.006300006	

GENUS #Taxonomy	Absolute abundance (gene number)			Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh		MGZ31DRh	MGZ31J1DRh
<i>Edwardsiella</i>		3		0.006300006	
<i>Conexibacter</i>		3	3	0.006300006	0.005693248
<i>Actinobaculum</i>		3	3	0.006300006	0.005693248
<i>Chlamydia</i>		3	4	0.006300006	0.007590997
<i>Lachnoclostridium</i>		3	3	0.006300006	0.005693248
<i>Fulvivirga</i>		3	3	0.006300006	0.005693248
<i>Thermotoga</i>		3	5	0.006300006	0.009488746
<i>Alicyclobacillus</i>		3	6	0.006300006	0.011386496
SUM		47185	52141	99.08859908	98.95054465

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Unclassified</i>	19866	21836	41.71864172	41.43925305
<i>Unknown</i>	10083	12115	21.17432117	22.9912324
<i>Bradyrhizobium elkanii</i>	4778	4724	10.03381003	8.964967548
<i>Ralstonia pickettii</i>	1685	1707	3.538503539	3.239458003
<i>Gemmatimonadetes bacterium KBS708</i>	1278	1371	2.683802684	2.601814248
<i>Acidobacteriaceae bacterium TAA166</i>	676	761	1.41960142	1.444187194
<i>Mucilaginibacter paludis</i>	467	483	0.980700981	0.916612897
<i>Aeromicrobium marinum</i>	419	423	0.87990088	0.802747941
<i>Bradyrhizobium japonicum</i>	356	346	0.747600748	0.656621247
<i>Rudaea cellulositytica</i>	312	323	0.655200655	0.612973014
<i>Cytophagales bacterium B6</i>	273	296	0.573300573	0.561733784
<i>Ktedonobacter racemifer</i>	197	221	0.413700414	0.419402589
<i>Variovorax paradoxus</i>	129	135	0.270900271	0.256196151
<i>Pseudomonas syringae</i>	106	126	0.222600223	0.239116408
<i>Candidatus Koribacter versatilis</i>	106	118	0.222600223	0.223934414
<i>Ralstonia solanacearum</i>	88	96	0.184800185	0.18218393
<i>Burkholderia sp. TJI49</i>	84	98	0.176400176	0.185979428
<i>Sphingomonas wittichii</i>	72	70	0.151200151	0.132842449
<i>Pedobacter sp. V48</i>	72	77	0.151200151	0.146126694
<i>candidate division TM7 single-cell isolate TM7c</i>	68	73	0.142800143	0.138535697
<i>Novosphingobium sp. AP12</i>	66	64	0.138600139	0.121455953
<i>Sphingomonas-like bacterium B12</i>	65	63	0.136500137	0.119558204
<i>Polaromonas sp. CF318</i>	62	87	0.13020013	0.165104186

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Burkholderia pseudomallei</i>	58	65	0.121800122	0.123353703
<i>Sphingomonas sp. KC8</i>	55	56	0.115500116	0.106273959
<i>Bradyrhizobium sp. Tv2a-2</i>	50	49	0.105000105	0.092989714
<i>Rhodopseudomonas sp. B29</i>	48	47	0.100800101	0.089194216
<i>Patulibacter medicamentivorans</i>	47	58	0.098700099	0.110069458
<i>Burkholderia sp. JPY347</i>	47	55	0.098700099	0.10437621
<i>Pseudomonas aeruginosa</i>	45	47	0.094500095	0.089194216
<i>Caulobacter vibrioides</i>	44	44	0.092400092	0.083500968
<i>Pedobacter agri</i>	42	46	0.088200088	0.087296466
<i>Xanthomonas axonopodis</i>	41	43	0.086100086	0.081603219
<i>Cystobacter fuscus</i>	38	42	0.07980008	0.079705469
<i>Sphingomonas sp. PR090111-T3T-6A</i>	35	35	0.073500074	0.066421224
<i>Bradyrhizobium sp. DOA9</i>	35	36	0.073500074	0.068318974
<i>Escherichia coli</i>	35	43	0.073500074	0.081603219
<i>Novosphingobium pentaromativorans</i>	35	36	0.073500074	0.068318974
<i>Nocardioides sp. CF8</i>	34	36	0.071400071	0.068318974
<i>Novosphingobium nitrogenifigens</i>	33	27	0.069300069	0.05123923
<i>Sinorhizobium meliloti</i>	33	32	0.069300069	0.060727977
<i>Nocardioidaceae bacterium Broad-1</i>	33	36	0.069300069	0.068318974
<i>Terriglobus roseus</i>	33	33	0.069300069	0.062625726
<i>Rhizobium leguminosarum</i>	32	35	0.067200067	0.066421224
<i>Pedosphaera parvula</i>	32	37	0.067200067	0.070216723
<i>Sphingomonas sp. LH128</i>	31	34	0.065100065	0.064523475

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Kutzneria sp. 744</i>	31	34	0.065100065	0.064523475
<i>Bradyrhizobium sp. YR681</i>	31	33	0.065100065	0.062625726
<i>Caulobacter sp. AP07</i>	30	34	0.063000063	0.064523475
<i>Smaragdicoccus niigatensis</i>	29	29	0.060900061	0.055034729
<i>Patulibacter americanus</i>	29	38	0.060900061	0.072114472
<i>Mycobacterium avium</i>	29	33	0.060900061	0.062625726
<i>Agrobacterium tumefaciens</i>	29	32	0.060900061	0.060727977
<i>Segetibacter koreensis</i>	27	30	0.056700057	0.056932478
<i>Gloeobacter violaceus</i>	27	30	0.056700057	0.056932478
<i>Rubrobacter radiotolerans</i>	27	29	0.056700057	0.055034729
<i>Novosphingobium tardaugens</i>	26	27	0.054600055	0.05123923
<i>Cupriavidus basilensis</i>	26	26	0.054600055	0.049341481
<i>Candidatus Magnetoglobus multicellularis</i>	25	33	0.052500053	0.062625726
<i>Kribbella catacumbae</i>	25	27	0.052500053	0.05123923
<i>Bradyrhizobium sp. WSM1253</i>	25	24	0.052500053	0.045545982
<i>Chondromyces apiculatus</i>	25	27	0.052500053	0.05123923
<i>Microvirga lotononidis</i>	24	26	0.05040005	0.049341481
<i>Caldithrix abyssi</i>	24	25	0.05040005	0.047443732
<i>Mesorhizobium alhagi</i>	24	23	0.05040005	0.043648233
<i>Salmonella enterica</i>	23	31	0.048300048	0.058830227
<i>Verminephrobacter aporrectodeae</i>	22	30	0.046200046	0.056932478
<i>Rubellimicrobium mesophilum</i>	22	21	0.046200046	0.039852735
<i>Geobacter sulfurreducens</i>	22	23	0.046200046	0.043648233

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Sordaria macrospora</i>	22	25	0.046200046	0.047443732
<i>Sphingomonas paucimobilis</i>	21	21	0.044100044	0.039852735
<i>Candidatus Solibacter usitatus</i>	21	22	0.044100044	0.041750484
<i>Chloroflexus aurantiacus</i>	21	24	0.044100044	0.045545982
<i>Ideonella sp. B508-1</i>	21	27	0.044100044	0.05123923
<i>Intrasporangium chromatireducens</i>	20	21	0.042000042	0.039852735
<i>Saccharicrinis fermentans</i>	20	25	0.042000042	0.047443732
<i>Stigmatella aurantiaca</i>	20	21	0.042000042	0.039852735
<i>Bradyrhizobium sp. STM 3843</i>	20	20	0.042000042	0.037954985
<i>Nitrobacter sp. Nb-311A</i>	20	19	0.042000042	0.036057236
<i>Curvibacter putative symbiont of Hydra magnipapil</i>	20	29	0.042000042	0.055034729
<i>Acidovorax sp. CF316</i>	20	27	0.042000042	0.05123923
<i>Novosphingobium sp. Rr 2-17</i>	20	20	0.042000042	0.037954985
<i>Novosphingobium resinovorum</i>	19	18	0.03990004	0.034159487
<i>Crocospaera watsonii</i>	19	22	0.03990004	0.041750484
<i>Burkholderia multivorans</i>	19	20	0.03990004	0.037954985
<i>Variovorax sp. CF313</i>	19	25	0.03990004	0.047443732
<i>Microbispora sp. ATCC PTA-5024</i>	19	22	0.03990004	0.041750484
<i>Candidatus Nitrosoarchaeum limnia</i>	18	51	0.037800038	0.096785213
<i>Sphingobium sp. AP49</i>	18	17	0.037800038	0.032261738
<i>Frankia sp. EUN1f</i>	18	20	0.037800038	0.037954985
<i>Sphingobium yanoikuyae</i>	18	18	0.037800038	0.034159487
<i>Sphingobacterium spiritivorum</i>	17	17	0.035700036	0.032261738

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Sphingomonas melonis</i>	17	18	0.035700036	0.034159487
<i>Acidithiobacillus sp. GGI-221</i>	17	19	0.035700036	0.036057236
<i>Methylobacterium extorquens</i>	17	18	0.035700036	0.034159487
<i>Pseudomonas putida</i>	17	18	0.035700036	0.034159487
<i>Mesorhizobium loti</i>	16	17	0.033600034	0.032261738
<i>Actinoplanes globisporus</i>	16	18	0.033600034	0.034159487
<i>Beggiatoa sp. PS</i>	16	19	0.033600034	0.036057236
<i>Pedobacter arcticus</i>	16	16	0.033600034	0.030363988
<i>Sphingobium quisquiliarum</i>	16	19	0.033600034	0.036057236
<i>Sphingomonas sp. PAMC 26605</i>	16	15	0.033600034	0.028466239
<i>Dyella japonica</i>	16	16	0.033600034	0.030363988
<i>Burkholderia ubonensis</i>	16	16	0.033600034	0.030363988
<i>Xanthomonas oryzae</i>	16	16	0.033600034	0.030363988
<i>Sporichthya polymorpha</i>	16	16	0.033600034	0.030363988
<i>Acinetobacter baumannii</i>	16	18	0.033600034	0.034159487
<i>Chloracidobacterium thermophilum</i>	15	16	0.031500032	0.030363988
<i>Niabella soli</i>	15	16	0.031500032	0.030363988
<i>Sphingomonas elodea</i>	15	17	0.031500032	0.032261738
<i>Burkholderia sp. RPE67</i>	15	19	0.031500032	0.036057236
<i>Stenotrophomonas maltophilia</i>	15	14	0.031500032	0.02656849
<i>Actinomadura madurae</i>	15	15	0.031500032	0.028466239
<i>Blastococcus saxobidens</i>	15	16	0.031500032	0.030363988
<i>Pontibacter sp. BAB1700</i>	15	15	0.031500032	0.028466239

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Cryptosporangium arzum</i>	14	15	0.029400029	0.028466239
<i>Gemmata obscuriglobus</i>	14	16	0.029400029	0.030363988
<i>Acidobacterium capsulatum</i>	14	18	0.029400029	0.034159487
<i>Azospirillum brasilense</i>	14	19	0.029400029	0.036057236
<i>Acidovorax delafieldii</i>	14	22	0.029400029	0.041750484
<i>Candidatus Poribacteria sp. WGA-4E</i>	13	14	0.027300027	0.02656849
<i>Ralstonia syzygii</i>	13	16	0.027300027	0.030363988
<i>Rhodococcus opacus</i>	13	15	0.027300027	0.028466239
<i>Actinopolymorpha alba</i>	13	15	0.027300027	0.028466239
<i>Candidatus Kuenenia stuttgartiensis</i>	13	14	0.027300027	0.02656849
<i>Burkholderia thailandensis</i>	13	16	0.027300027	0.030363988
<i>Dyella ginsengisoli</i>	13	12	0.027300027	0.022772991
<i>Janthinobacterium sp. Marseille</i>	13	11	0.027300027	0.020875242
<i>Gemmatimonas aurantiaca</i>	13	14	0.027300027	0.02656849
<i>Yersinia pestis</i>	13	13	0.027300027	0.024670741
<i>Curvibacter lanceolatus</i>	13	15	0.027300027	0.028466239
<i>Pseudoalteromonas haloplanktis</i>	13	12	0.027300027	0.022772991
<i>Burkholderiales bacterium JOSHI_001</i>	13	15	0.027300027	0.028466239
<i>Neisseria meningitidis</i>	12	12	0.025200025	0.022772991
<i>Comamonas testosteroni</i>	12	13	0.025200025	0.024670741
<i>Streptomyces sp. TOR3209</i>	12	11	0.025200025	0.020875242
<i>Salinispora arenicola</i>	12	13	0.025200025	0.024670741
<i>Chthoniobacter flavus</i>	12	16	0.025200025	0.030363988

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Frankia sp. BMG5.12</i>	12	12	0.025200025	0.022772991
<i>Catelliglobospora koreensis</i>	12	13	0.025200025	0.024670741
<i>Granulicella tundricola</i>	12	12	0.025200025	0.022772991
<i>Dyadobacter beijingsensis</i>	11	11	0.023100023	0.020875242
<i>Leptospira interrogans</i>	11	13	0.023100023	0.024670741
<i>Ramlibacter tataouinensis</i>	11	17	0.023100023	0.032261738
<i>Desulfococcus multivorans</i>	11	11	0.023100023	0.020875242
<i>Streptomyces turgidiscabies</i>	11	10	0.023100023	0.018977493
<i>Erythrobacter sp. SD-21</i>	11	10	0.023100023	0.018977493
<i>Massilia niastensis</i>	11	12	0.023100023	0.022772991
<i>Burkholderia sp. H160</i>	11	14	0.023100023	0.02656849
<i>Oxalobacteraceae bacterium AB_14</i>	11	13	0.023100023	0.024670741
<i>Bordetella pertussis</i>	11	11	0.023100023	0.020875242
<i>Herbaspirillum lusitanum</i>	11	12	0.023100023	0.022772991
<i>Fischerella muscicola</i>	11	10	0.023100023	0.018977493
<i>Longispora albida</i>	11	10	0.023100023	0.018977493
<i>Frankia sp. BCU110501</i>	11	12	0.023100023	0.022772991
<i>Micromonospora sp. M42</i>	11	11	0.023100023	0.020875242
<i>Leifsonia aquatica</i>	11	13	0.023100023	0.024670741
<i>Rhizobium sp. LPU83</i>	10	10	0.021000021	0.018977493
<i>Hydrogenivirga sp. 128-5-R1-1</i>	10	13	0.021000021	0.024670741
<i>Oscillochloris trichoides</i>	10	12	0.021000021	0.022772991
<i>Methylobacterium sp. WSM2598</i>	10	11	0.021000021	0.020875242

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Streptomyces roseochromogenus</i>	10	10	0.021000021	0.018977493
<i>Burkholderia glumae</i>	10	10	0.021000021	0.018977493
<i>Oscillatoria sp. PCC 10802</i>	10	10	0.021000021	0.018977493
<i>Thermodesulfatator atlanticus</i>	10	11	0.021000021	0.020875242
<i>Pedobacter sp. BAL39</i>	10	11	0.021000021	0.020875242
<i>Mesorhizobium ciceri</i>	10	10	0.021000021	0.018977493
<i>Chlorogloeopsis fritschii</i>	10	11	0.021000021	0.020875242
<i>Acetobacteraceae bacterium AT-5844</i>	10	10	0.021000021	0.018977493
<i>Kaistia granuli</i>	10	9	0.021000021	0.017079743
<i>Zavarzinella formosa</i>	10	12	0.021000021	0.022772991
<i>Nocardiopsis lucentensis</i>	9	10	0.018900019	0.018977493
<i>Geopsychrobacter electrodiphilus</i>	9	9	0.018900019	0.017079743
<i>Burkholderia kururiensis</i>	9	10	0.018900019	0.018977493
<i>Cupriavidus sp. SK-4</i>	9	11	0.018900019	0.020875242
<i>Rhodococcus wratislaviensis</i>	9	11	0.018900019	0.020875242
<i>Granulicella mallensis</i>	9	11	0.018900019	0.020875242
<i>Delftia acidovorans</i>	9	10	0.018900019	0.018977493
<i>Pseudonocardia sp. P1</i>	9	9	0.018900019	0.017079743
<i>Singulisphaera acidiphila</i>	9	10	0.018900019	0.018977493
<i>Streptomyces bottropensis</i>	9	10	0.018900019	0.018977493
<i>Sphingomonas echinoides</i>	9	8	0.018900019	0.015181994
<i>Nitrosospira briensis</i>	9	11	0.018900019	0.020875242
<i>Actinotalea ferrariae</i>	9	11	0.018900019	0.020875242

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Streptomyces scabrisporus</i>	9	10	0.018900019	0.018977493
<i>Afipia clevelandensis</i>	9	7	0.018900019	0.013284245
<i>Pseudomonas savastanoi</i>	9	8	0.018900019	0.015181994
<i>Hylemonella gracilis</i>	9	9	0.018900019	0.017079743
<i>Moorella thermoacetica</i>	9	9	0.018900019	0.017079743
<i>Thauera phenylacetica</i>	9	9	0.018900019	0.017079743
<i>Burkholderia terrae</i>	9	10	0.018900019	0.018977493
<i>Nitrospina gracilis</i>	9	8	0.018900019	0.015181994
<i>Bacillus cereus</i>	9	12	0.018900019	0.022772991
<i>Rhodomicrobium udaipurensis</i>	9	8	0.018900019	0.015181994
<i>Terriglobus saanensis</i>	9	11	0.018900019	0.020875242
<i>Mycobacterium tuberculosis</i>	9	11	0.018900019	0.020875242
<i>Frankia sp. QA3</i>	9	8	0.018900019	0.015181994
<i>Scytonema hofmanni</i>	9	9	0.018900019	0.017079743
<i>Candidatus Nitrospira defluvii</i>	8	9	0.016800017	0.017079743
<i>Pseudomonas stutzeri</i>	8	8	0.016800017	0.015181994
<i>Solimonas variicoloris</i>	8	10	0.016800017	0.018977493
<i>Sinorhizobium medicae</i>	8	6	0.016800017	0.011386496
<i>Bacillus subtilis</i>	8	11	0.016800017	0.020875242
<i>Brucella abortus</i>	8	8	0.016800017	0.015181994
<i>Acidovorax avenae</i>	8	12	0.016800017	0.022772991
<i>Sphingobium ummariense</i>	8	7	0.016800017	0.013284245
<i>Xanthomonas phage Xp15</i>	8	6	0.016800017	0.011386496

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>delta proteobacterium MLMS-1</i>	8	10	0.016800017	0.018977493
<i>Achromobacter xylosoxidans</i>	8	12	0.016800017	0.022772991
<i>Azoarcus toluclasticus</i>	8	10	0.016800017	0.018977493
<i>Fibrisoma limi</i>	8	8	0.016800017	0.015181994
<i>Flavobacterium sp. CF136</i>	8	9	0.016800017	0.017079743
<i>Gracilimonas tropica</i>	8	7	0.016800017	0.013284245
<i>Streptomyces sp. PRh5</i>	8	8	0.016800017	0.015181994
<i>Hymenobacter norwichensis</i>	8	9	0.016800017	0.017079743
<i>Parabacteroides johnsonii</i>	8	9	0.016800017	0.017079743
<i>Streptomyces zinciresistens</i>	8	9	0.016800017	0.017079743
<i>Sphingomonas sp. Mn802worker</i>	8	8	0.016800017	0.015181994
<i>Streptomyces albulus</i>	8	8	0.016800017	0.015181994
<i>Mycobacterium abscessus</i>	8	10	0.016800017	0.018977493
<i>Deinococcus apachensis</i>	8	8	0.016800017	0.015181994
<i>Pseudomonas fluorescens</i>	8	10	0.016800017	0.018977493
<i>Citromicrobium bathyomarinum</i>	8	9	0.016800017	0.017079743
<i>Candidatus Jettenia caeni</i>	8	9	0.016800017	0.017079743
<i>Burkholderia cenocepacia</i>	7	9	0.014700015	0.017079743
<i>Thermodesulfovibrio yellowstonii</i>	7	8	0.014700015	0.015181994
<i>Sphingopyxis baekryungensis</i>	7	7	0.014700015	0.013284245
<i>Janthinobacterium lividum</i>	7	11	0.014700015	0.020875242
<i>Saccharopolyspora spinosa</i>	7	8	0.014700015	0.015181994
<i>Arthrobacter sp. TB 26</i>	7	10	0.014700015	0.018977493

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Micromonospora sp. ATCC 39149</i>	7	7	0.014700015	0.013284245
<i>Burkholderia sp. Ch1-1</i>	7	7	0.014700015	0.013284245
<i>Verrucomicrobia bacterium SCGC AAA164-I21</i>	7	5	0.014700015	0.009488746
<i>Nonomurea coxensis</i>	7	8	0.014700015	0.015181994
<i>Zymomonas mobilis</i>	7	7	0.014700015	0.013284245
<i>Salinibacter ruber</i>	7	7	0.014700015	0.013284245
<i>Mycobacterium bovis</i>	7	7	0.014700015	0.013284245
<i>Rhodanobacter fulvus</i>	7	8	0.014700015	0.015181994
<i>Richelia intracellularis</i>	7	8	0.014700015	0.015181994
<i>Sphingobium lactosutens</i>	7	7	0.014700015	0.013284245
<i>Acidovorax radicus</i>	7	11	0.014700015	0.020875242
<i>Amycolatopsis sp. ATCC 39116</i>	7	7	0.014700015	0.013284245
<i>Polaromonas sp. JS666</i>	7	8	0.014700015	0.015181994
<i>Klebsiella pneumoniae</i>	7	5	0.014700015	0.009488746
<i>Streptomyces viridochromogenes</i>	7	7	0.014700015	0.013284245
<i>Salinispora pacifica</i>	7	7	0.014700015	0.013284245
<i>Caldilinea aerophila</i>	7	7	0.014700015	0.013284245
<i>Xylella fastidiosa</i>	7	6	0.014700015	0.011386496
<i>Acidiphilium sp. PM</i>	7	7	0.014700015	0.013284245
<i>Streptomyces canus</i>	7	8	0.014700015	0.015181994
<i>Calothrix sp. PCC 7103</i>	7	7	0.014700015	0.013284245
<i>Actinokineospora enzanensis</i>	7	7	0.014700015	0.013284245
<i>Amycolatopsis mediterranei</i>	7	7	0.014700015	0.013284245

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Actinoplanes missouriensis</i>	7	8	0.014700015	0.015181994
<i>Sphingobium chinhatense</i>	7	7	0.014700015	0.013284245
<i>Verrucomicrobium spinosum</i>	7	6	0.014700015	0.011386496
<i>Ochrobactrum intermedium</i>	7	8	0.014700015	0.015181994
<i>Beggiatoa sp. SS</i>	7	8	0.014700015	0.015181994
<i>Vibrio cholerae</i>	7	7	0.014700015	0.013284245
<i>Bradyrhizobium sp. WSM471</i>	7	7	0.014700015	0.013284245
<i>Flavobacterium rivuli</i>	7	8	0.014700015	0.015181994
<i>Burkholderia sp. lig30</i>	7	8	0.014700015	0.015181994
<i>Rudanella lutea</i>	7	7	0.014700015	0.013284245
<i>Rhodanobacter sp. 115</i>	7	6	0.014700015	0.011386496
<i>Peptoclostridium difficile</i>	6	6	0.012600013	0.011386496
<i>Burkholderia sp. WSM4176</i>	6	5	0.012600013	0.009488746
<i>Xanthomonas vasicola</i>	6	7	0.012600013	0.013284245
<i>Bradyrhizobium sp. ORS 285</i>	6	6	0.012600013	0.011386496
<i>Janibacter sp. HTCC2649</i>	6	8	0.012600013	0.015181994
<i>Rhodanobacter thiooxydans</i>	6	7	0.012600013	0.013284245
<i>Afipia felis</i>	6	4	0.012600013	0.007590997
<i>Rubrivivax benzoatilyticus</i>	6	7	0.012600013	0.013284245
<i>Desmospora sp. 8437</i>	6	6	0.012600013	0.011386496
<i>Actinokineospora spheciospongiae</i>	6	6	0.012600013	0.011386496
<i>Bacteroides xylanisolvens</i>	6	6	0.012600013	0.011386496
<i>Rhodococcus rhodochrous</i>	6	5	0.012600013	0.009488746

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Streptococcus sobrinus</i>	6	8	0.012600013	0.015181994
<i>Desulfosporosinus youngiae</i>	6	7	0.012600013	0.013284245
<i>Thioalkalivibrio thiocyanodenitrificans</i>	6	6	0.012600013	0.011386496
<i>Aquamicrobium defluvii</i>	6	5	0.012600013	0.009488746
<i>Rhodovulum sp. PH10</i>	6	6	0.012600013	0.011386496
<i>Curtobacterium sp. B18</i>	6	7	0.012600013	0.013284245
<i>Asticcacaulis benevestitus</i>	6	6	0.012600013	0.011386496
<i>Mesorhizobium amorphae</i>	6	6	0.012600013	0.011386496
<i>Amycolatopsis methanolica</i>	6	6	0.012600013	0.011386496
<i>Promicromonospora sukumoe</i>	6	6	0.012600013	0.011386496
<i>Burkholderia graminis</i>	6	6	0.012600013	0.011386496
<i>Methylobacterium mesophilicum</i>	6	5	0.012600013	0.009488746
<i>alpha proteobacterium BAL199</i>	6	6	0.012600013	0.011386496
<i>Hydrogenophaga intermedia</i>	6	8	0.012600013	0.015181994
<i>Leptospirillum rubarum</i>	6	6	0.012600013	0.011386496
<i>Rhizobium grahamii</i>	6	9	0.012600013	0.017079743
<i>Brucella melitensis</i>	6	7	0.012600013	0.013284245
<i>Microcystis aeruginosa</i>	6	10	0.012600013	0.018977493
<i>Brucella ovis</i>	6	6	0.012600013	0.011386496
<i>Ruegeria mobilis</i>	6	10	0.012600013	0.018977493
<i>Limnohabitans sp. Rim28</i>	6	7	0.012600013	0.013284245
<i>Verrucomicrobiae bacterium DG1235</i>	6	6	0.012600013	0.011386496
<i>Marine Group I thaumarchaeote SCGC AB-629-I23</i>	6	20	0.012600013	0.037954985

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Oxalobacteraceae bacterium IMCC9480</i>	6	7	0.012600013	0.013284245
<i>Thermaerobacter subterraneus</i>	6	7	0.012600013	0.013284245
<i>Streptomyces coelicoflavus</i>	6	8	0.012600013	0.015181994
<i>Nitratireductor aquibiodomus</i>	6	5	0.012600013	0.009488746
<i>Acaryochloris sp. CCMEE 5410</i>	6	7	0.012600013	0.013284245
<i>Magnetospirillum gryphiswaldense</i>	6	5	0.012600013	0.009488746
<i>Dehalobacter sp. FTH1</i>	6	6	0.012600013	0.011386496
<i>Myxococcus xanthus</i>	6	8	0.012600013	0.015181994
<i>Streptomyces prunicolor</i>	6	8	0.012600013	0.015181994
<i>Rhodanobacter spathiphylli</i>	6	7	0.012600013	0.013284245
<i>Uliginosibacterium gangwonense</i>	6	17	0.012600013	0.032261738
<i>Actinoalloteichus spitiensis</i>	6	6	0.012600013	0.011386496
<i>Frankia sp. BMG5.23</i>	6	6	0.012600013	0.011386496
<i>Sphingomonas sp. PAMC 26617</i>	6	6	0.012600013	0.011386496
<i>Dictyoglomus turgidum</i>	6	6	0.012600013	0.011386496
<i>Afipia sp. 1NLS2</i>	6	6	0.012600013	0.011386496
<i>Curtobacterium sp. B8</i>	6	6	0.012600013	0.011386496
<i>Rhizobium sp. AP16</i>	6	7	0.012600013	0.013284245
<i>Brevibacillus agri</i>	6	6	0.012600013	0.011386496
<i>Ralstonia sp. PBA</i>	6	6	0.012600013	0.011386496
<i>Rhizobium sp. CCGE 510</i>	6	6	0.012600013	0.011386496
<i>Schlesneria paludicola</i>	6	6	0.012600013	0.011386496
<i>Pseudomonas amygdali</i>	5	6	0.010500011	0.011386496

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Thiobacillus denitrificans</i>	5	5	0.010500011	0.009488746
<i>delta proteobacterium NaphS2</i>	5	5	0.010500011	0.009488746
<i>Methyloferula stellata</i>	5	5	0.010500011	0.009488746
<i>Rhizobium sp. PDO1-076</i>	5	7	0.010500011	0.013284245
<i>Bradyrhizobium sp. ORS 375</i>	5	5	0.010500011	0.009488746
<i>Bacteroides thetaiotaomicron</i>	5	5	0.010500011	0.009488746
<i>Komagataeibacter europaeus</i>	5	4	0.010500011	0.007590997
<i>Roseobacter phage SIO1</i>	5	4	0.010500011	0.007590997
<i>Amycolatopsis vancoresmycina</i>	5	5	0.010500011	0.009488746
<i>Actinomadura atramentaria</i>	5	5	0.010500011	0.009488746
<i>Sandarakinorhabdus limnophila</i>	5	5	0.010500011	0.009488746
<i>Methylobacterium sp. GXF4</i>	5	5	0.010500011	0.009488746
<i>Cupriavidus taiwanensis</i>	5	4	0.010500011	0.007590997
<i>Kineosphaera limosa</i>	5	6	0.010500011	0.011386496
<i>Coleofasciculus chthonoplastes</i>	5	5	0.010500011	0.009488746
<i>Plesiocystis pacifica</i>	5	4	0.010500011	0.007590997
<i>Diplorickettsia massiliensis</i>	5	7	0.010500011	0.013284245
<i>Pseudogulbenkiania ferrooxidans</i>	5	7	0.010500011	0.013284245
<i>Pseudaminobacter salicylatoxidans</i>	5	5	0.010500011	0.009488746
<i>Nitrosopumilus maritimus</i>	5	20	0.010500011	0.037954985
<i>Moorea producens</i>	5	5	0.010500011	0.009488746
<i>Duganella zoogloeooides</i>	5	7	0.010500011	0.013284245
<i>Oceanicola sp. S124</i>	5	5	0.010500011	0.009488746

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Xanthomonas gardneri</i>	5	5	0.010500011	0.009488746
<i>Amorphus coralli</i>	5	5	0.010500011	0.009488746
<i>Microbacterium sp. B19</i>	5	5	0.010500011	0.009488746
<i>Methylocystis rosea</i>	5	5	0.010500011	0.009488746
<i>Sphingomonas sp. PAMC 26621</i>	5	6	0.010500011	0.011386496
<i>Xanthomonas sacchari</i>	5	4	0.010500011	0.007590997
<i>Cyanothece sp. CCY0110</i>	5	5	0.010500011	0.009488746
<i>Sphingobium indicum</i>	5	6	0.010500011	0.011386496
<i>Bacillus phage G</i>	5	5	0.010500011	0.009488746
<i>Xanthomonas arboricola</i>	5	6	0.010500011	0.011386496
<i>Paenibacillus sp. P22</i>	5	5	0.010500011	0.009488746
<i>Thiomonas sp. FB-6</i>	5	5	0.010500011	0.009488746
<i>Nitrococcus mobilis</i>	5	5	0.010500011	0.009488746
<i>Ochrobactrum sp. CDB2</i>	5	5	0.010500011	0.009488746
<i>Burkholderia andropogonis</i>	5	5	0.010500011	0.009488746
<i>Thiobacillus thioparus</i>	5	7	0.010500011	0.013284245
<i>Rhodococcus erythropolis</i>	5	6	0.010500011	0.011386496
<i>Nitratireductor indicus</i>	5	5	0.010500011	0.009488746
<i>Pseudomonas fuscovaginae</i>	5	5	0.010500011	0.009488746
<i>Spirosoma panaciterrae</i>	5	6	0.010500011	0.011386496
<i>SAR202 cluster bacterium SCGC AAA240-N13</i>	5	6	0.010500011	0.011386496
<i>Burkholderia oklahomensis</i>	5	5	0.010500011	0.009488746
<i>Burkholderia mallei</i>	5	5	0.010500011	0.009488746

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Desulfovibrio vulgaris</i>	5	4	0.010500011	0.007590997
<i>Acetobacter aceti</i>	5	5	0.010500011	0.009488746
<i>Clostridium botulinum</i>	5	4	0.010500011	0.007590997
<i>Pontibacter roseus</i>	5	5	0.010500011	0.009488746
<i>Rhizobium etli</i>	5	6	0.010500011	0.011386496
<i>Bordetella sp. FB-8</i>	5	5	0.010500011	0.009488746
<i>SAR324 cluster bacterium SCGC AAA240-J09</i>	5	6	0.010500011	0.011386496
<i>Yersinia enterocolitica</i>	5	5	0.010500011	0.009488746
<i>Meiothermus timidus</i>	5	5	0.010500011	0.009488746
<i>Mesorhizobium metallidurans</i>	5	3	0.010500011	0.005693248
<i>Streptomyces vitaminophilus</i>	5	5	0.010500011	0.009488746
<i>Phaeospirillum fulvum</i>	5	5	0.010500011	0.009488746
<i>Synechococcus phage S-CBS4</i>	5	7	0.010500011	0.013284245
<i>Streptomyces purpureus</i>	5	5	0.010500011	0.009488746
<i>Novosphingobium aromaticivorans</i>	5	6	0.010500011	0.011386496
<i>Brevibacillus massiliensis</i>	5	5	0.010500011	0.009488746
<i>Sinorhizobium fredii</i>	5	8	0.010500011	0.015181994
<i>Streptomyces somaliensis</i>	5	5	0.010500011	0.009488746
<i>Gimesia maris</i>	5	5	0.010500011	0.009488746
<i>Desulfovibrio oxyclinae</i>	4	4	0.008400008	0.007590997
<i>Winogradskyella sp. PG-2</i>	4	3	0.008400008	0.005693248
<i>Achromobacter piechaudii</i>	4	6	0.008400008	0.011386496
<i>Xanthobacter sp. 126</i>	4	5	0.008400008	0.009488746

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Actinomycetospora chiangmaiensis</i>	4	3	0.008400008	0.005693248
<i>Nitrospina sp. SCGC AAA288-L16</i>	4	4	0.008400008	0.007590997
<i>Methyloversatilis discipulorum</i>	4	4	0.008400008	0.007590997
<i>Phage phiJL001</i>	4	6	0.008400008	0.011386496
<i>Nocardiopsis synnemataformans</i>	4	4	0.008400008	0.007590997
<i>Rhodonellum psychrophilum</i>	4	4	0.008400008	0.007590997
<i>Burkholderia sp. JPY251</i>	4	4	0.008400008	0.007590997
<i>Hahella ganghwensis</i>	4	4	0.008400008	0.007590997
<i>Flavobacteria bacterium MS024-2A</i>	4	5	0.008400008	0.009488746
<i>Brevundimonas diminuta</i>	4	5	0.008400008	0.009488746
<i>Pseudomonas nitroreducens</i>	4	4	0.008400008	0.007590997
<i>Xanthomonas campestris</i>	4	12	0.008400008	0.022772991
<i>Niabella aurantiaca</i>	4	12	0.008400008	0.022772991
<i>Pseudomonas tolaasii</i>	4	5	0.008400008	0.009488746
<i>Gordonia otitidis</i>	4	5	0.008400008	0.009488746
<i>Microbacterium yannicii</i>	4	4	0.008400008	0.007590997
<i>Bacteroides cellulosilyticus</i>	4	5	0.008400008	0.009488746
<i>Mycobacterium vaccae</i>	4	4	0.008400008	0.007590997
<i>Bordetella bronchiseptica</i>	4	5	0.008400008	0.009488746
<i>Herbaspirillum sp. YR522</i>	4	5	0.008400008	0.009488746
<i>Pseudogymnoascus destructans</i>	4	3	0.008400008	0.005693248
<i>Gordonia rhizosphaera</i>	4	5	0.008400008	0.009488746
<i>Teredinibacter turnerae</i>	4	4	0.008400008	0.007590997

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Flavobacterium branchiophilum</i>	4	4	0.008400008	0.007590997
<i>Helicobacter pylori</i>	4	5	0.008400008	0.009488746
<i>Sphingomonas phyllosphaerae</i>	4	5	0.008400008	0.009488746
<i>Pseudomonas taiwanensis</i>	4	4	0.008400008	0.007590997
<i>Photorhabdus temperata</i>	4	4	0.008400008	0.007590997
<i>Sphingomonas sp. ATCC 31555</i>	4	4	0.008400008	0.007590997
<i>Desulfovibrio magneticus</i>	4	3	0.008400008	0.005693248
<i>Marichromatium purpuratum</i>	4	4	0.008400008	0.007590997
<i>Amycolatopsis benzoatilytica</i>	4	4	0.008400008	0.007590997
<i>Massilia timonae</i>	4	4	0.008400008	0.007590997
<i>Afipia broomeae</i>	4	5	0.008400008	0.009488746
<i>Candidatus Caldiarchaeum subterraneum</i>	4	5	0.008400008	0.009488746
<i>Brevibacillus sp. BC25</i>	4	4	0.008400008	0.007590997
<i>Mycobacterium smegmatis</i>	4	4	0.008400008	0.007590997
<i>Anaerophaga thermohalophila</i>	4	4	0.008400008	0.007590997
<i>Methylobacter tundripaludum</i>	4	5	0.008400008	0.009488746
<i>Thermosinus carboxydivorans</i>	4	5	0.008400008	0.009488746
<i>Bordetella holmesii</i>	4	5	0.008400008	0.009488746
<i>Proteiniphilum acetatigenes</i>	4	4	0.008400008	0.007590997
<i>Paenibacillus alvei</i>	4	3	0.008400008	0.005693248
<i>Candidatus Methyloirabilis oxyfera</i>	4	5	0.008400008	0.009488746
<i>Janthinobacterium sp. CG3</i>	4	7	0.008400008	0.013284245
<i>Streptomyces tsukubaensis</i>	4	4	0.008400008	0.007590997

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Streptomyces clavuligerus</i>	4	4	0.008400008	0.007590997
<i>SAR324 cluster bacterium JCVI-SC AAA005</i>	4	6	0.008400008	0.011386496
<i>Oceanicola batsensis</i>	4	3	0.008400008	0.005693248
<i>gamma proteobacterium HTCC5015</i>	4	4	0.008400008	0.007590997
<i>Pandoraea pnomenusa</i>	4	6	0.008400008	0.011386496
<i>Aneurinibacillus aneurinilyticus</i>	4	5	0.008400008	0.009488746
<i>Spirosoma spitsbergense</i>	4	4	0.008400008	0.007590997
<i>Thanatephorus cucumeris</i>	4	4	0.008400008	0.007590997
<i>Bacteroides ovatus</i>	4	5	0.008400008	0.009488746
<i>Listeria monocytogenes</i>	4	8	0.008400008	0.015181994
<i>Mycobacterium fortuitum</i>	4	3	0.008400008	0.005693248
<i>Streptomyces sulphureus</i>	4	4	0.008400008	0.007590997
<i>Lyngbya aestuarii</i>	4	6	0.008400008	0.011386496
<i>Herbaspirillum sp. CF444</i>	4	6	0.008400008	0.011386496
<i>Streptomyces exfoliatus</i>	4	5	0.008400008	0.009488746
<i>Erythrobacter sp. NAP1</i>	4	5	0.008400008	0.009488746
<i>Pelosinus fermentans</i>	4	4	0.008400008	0.007590997
<i>Arthrobacter nitrophenolicus</i>	4	4	0.008400008	0.007590997
<i>Desulfospira joergensenii</i>	4	4	0.008400008	0.007590997
<i>Treponema pedis</i>	4	4	0.008400008	0.007590997
<i>Roseomonas cervicalis</i>	4	4	0.008400008	0.007590997
<i>Sporomusa ovata</i>	4	5	0.008400008	0.009488746
<i>Burkholderia sp. BT03</i>	4	3	0.008400008	0.005693248

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Thauera sp. 63</i>	4	5	0.008400008	0.009488746
<i>Gryllotalpicola ginsengisoli</i>	4	5	0.008400008	0.009488746
<i>Corynebacterium accolens</i>	4	4	0.008400008	0.007590997
<i>Rhodospirillum rubrum</i>	4	4	0.008400008	0.007590997
<i>Nocardiopsis gilva</i>	4	4	0.008400008	0.007590997
<i>Leptolyngbya sp. PCC 7375</i>	4	4	0.008400008	0.007590997
<i>Glaciibacter superstes</i>	4	4	0.008400008	0.007590997
<i>Modestobacter marinus</i>	4	5	0.008400008	0.009488746
<i>Methyloversatilis universalis</i>	4	4	0.008400008	0.007590997
<i>Chlorobium ferrooxidans</i>	4	4	0.008400008	0.007590997
<i>Burkholderia cepacia</i>	4	4	0.008400008	0.007590997
<i>Rhodanobacter denitrificans</i>	4	4	0.008400008	0.007590997
<i>Streptomyces sp. SA3_actF</i>	4	4	0.008400008	0.007590997
<i>Desulfonatronospora thiodismutans</i>	4	4	0.008400008	0.007590997
<i>Ochrobactrum anthropi</i>	4	3	0.008400008	0.005693248
<i>Chitiniphilus shinanonensis</i>	4	5	0.008400008	0.009488746
<i>Cupriavidus sp. UYPR2.512</i>	4	6	0.008400008	0.011386496
<i>Corynebacterium-like bacterium B27</i>	4	6	0.008400008	0.011386496
<i>Parabacteroides merdae</i>	4	4	0.008400008	0.007590997
<i>Listeria marthii</i>	4	4	0.008400008	0.007590997
<i>Saccharomonospora glauca</i>	4	4	0.008400008	0.007590997
<i>Bradyrhizobium sp. UPM1167</i>	3	4	0.006300006	0.007590997
<i>Pseudomonas syringae group genomosp. 3</i>	3	3	0.006300006	0.005693248

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Citromicrobium sp. JLT1363</i>	3	3	0.006300006	0.005693248
<i>Mycobacterium marinum</i>	3	3	0.006300006	0.005693248
<i>Aeromonas hydrophila</i>	3	4	0.006300006	0.007590997
<i>Dasania marina</i>	3	3	0.006300006	0.005693248
<i>Fischerella sp. CENA19</i>	3	2	0.006300006	0.003795499
<i>Methanothermobacter marburgensis</i>	3	3	0.006300006	0.005693248
<i>Propionibacterium avidum</i>	3	3	0.006300006	0.005693248
<i>Sphingobium xenophagum</i>	3	4	0.006300006	0.007590997
<i>Chlorobaculum tepidum</i>	3	3	0.006300006	0.005693248
<i>Methylocystis sp. SC2</i>	3	2	0.006300006	0.003795499
<i>Neisseria gonorrhoeae</i>	3	4	0.006300006	0.007590997
<i>Caldimonas manganoxidans</i>	3	5	0.006300006	0.009488746
<i>Anaerolinea thermophila</i>	3	3	0.006300006	0.005693248
<i>Rhizobium sp. CF122</i>	3	4	0.006300006	0.007590997
<i>Verrucomicrobia bacterium SCGC AAA164-E04</i>	3	4	0.006300006	0.007590997
<i>Paenibacillus polymyxa</i>	3	3	0.006300006	0.005693248
<i>gamma proteobacterium IMCC2047</i>	3	5	0.006300006	0.009488746
<i>Microscilla marina</i>	3	3	0.006300006	0.005693248
<i>Amycolatopsis decaplanina</i>	3	3	0.006300006	0.005693248
<i>Azoarcus sp. CIB</i>	3	3	0.006300006	0.005693248
<i>Sinorhizobium arboris</i>	3	3	0.006300006	0.005693248
<i>Frankia symbiont of Datisca glomerata</i>	3	3	0.006300006	0.005693248
<i>Methylacidiphilum fumariolicum</i>	3	3	0.006300006	0.005693248

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Roseovarius sp. 217</i>	3	3	0.006300006	0.005693248
<i>Methylosinus trichosporium</i>	3	3	0.006300006	0.005693248
<i>Rhodococcus phage REQ1</i>	3	4	0.006300006	0.007590997
<i>Rhodobacter capsulatus</i>	3	3	0.006300006	0.005693248
<i>Herbaspirillum frisingense</i>	3	4	0.006300006	0.007590997
<i>Lactobacillus paracasei</i>	3	4	0.006300006	0.007590997
<i>Geobacillus thermoglucosidasius</i>	3	3	0.006300006	0.005693248
<i>Paenibacillus sp. HGF5</i>	3	3	0.006300006	0.005693248
<i>Methylosarcina fibrata</i>	3	3	0.006300006	0.005693248
<i>Ralstonia sp. 5_7_47FAA</i>	3	3	0.006300006	0.005693248
<i>Sphingomonas sp. SKA58</i>	3	3	0.006300006	0.005693248
<i>Streptomyces olindensis</i>	3	4	0.006300006	0.007590997
<i>Caldalkalibacillus thermarum</i>	3	2	0.006300006	0.003795499
<i>Streptomyces griseoflavus</i>	3	4	0.006300006	0.007590997
<i>Arthrobacter globiformis</i>	3	2	0.006300006	0.003795499
<i>Pseudanabaena biceps</i>	3	2	0.006300006	0.003795499
<i>Staphylococcus aureus</i>	3	4	0.006300006	0.007590997
<i>Desulfurispora thermophila</i>	3	3	0.006300006	0.005693248
<i>Advenella kashmirensis</i>	3	3	0.006300006	0.005693248
<i>Roseovarius sp. TM1035</i>	3	3	0.006300006	0.005693248
<i>Clavibacter michiganensis</i>	3	3	0.006300006	0.005693248
<i>Saccharomonospora halophila</i>	3	3	0.006300006	0.005693248
<i>Solitalea canadensis</i>	3	2	0.006300006	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Labrenzia aggregata</i>	3	5	0.006300006	0.009488746
<i>Arenimonas oryzae</i>	3	4	0.006300006	0.007590997
<i>Kiloniella laminariae</i>	3	3	0.006300006	0.005693248
<i>Gordonia phage GTE2</i>	3		0.006300006	
<i>Mycobacterium cosmeticum</i>	3	3	0.006300006	0.005693248
<i>Corynebacterium diphtheriae</i>	3	3	0.006300006	0.005693248
<i>Yersinia similis</i>	3	3	0.006300006	0.005693248
<i>Microbacterium sp. C448</i>	3	3	0.006300006	0.005693248
<i>Rhodococcus sp. P14</i>	3	5	0.006300006	0.009488746
<i>Brucella ceti</i>	3	3	0.006300006	0.005693248
<i>Verrucomicrobia bacterium SCGC AAA164-N20</i>	3	3	0.006300006	0.005693248
<i>Candidatus Korarchaeum cryptofilum</i>	3	6	0.006300006	0.011386496
<i>Rickettsia japonica</i>	3	3	0.006300006	0.005693248
<i>Streptomyces rimosus</i>	3	4	0.006300006	0.007590997
<i>Rhodococcus ruber</i>	3	3	0.006300006	0.005693248
<i>Streptomyces sp. Mg1</i>	3	3	0.006300006	0.005693248
<i>Paenibacillus sp. HGF7</i>	3	3	0.006300006	0.005693248
<i>Sulfurihydrogenibium yellowstonense</i>	3	5	0.006300006	0.009488746
<i>Rhodopirellula baltica</i>	3	3	0.006300006	0.005693248
<i>Serratia fonticola</i>	3	3	0.006300006	0.005693248
<i>Candidatus Microthrix parvicella</i>	3	5	0.006300006	0.009488746
<i>Paenibacillus terrigena</i>	3	3	0.006300006	0.005693248
<i>Deinococcus aquatilis</i>	3	4	0.006300006	0.007590997

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Streptomyces himastatinicus</i>	3	3	0.006300006	0.005693248
<i>Fluoribacter dumoffii</i>	3	3	0.006300006	0.005693248
<i>Methylophilus methylotrophus</i>	3	2	0.006300006	0.003795499
<i>Marinobacter manganoxydans</i>	3	3	0.006300006	0.005693248
<i>Opitutaceae bacterium TAV5</i>	3	2	0.006300006	0.003795499
<i>Actinobaculum sp. oral taxon 183</i>	3	3	0.006300006	0.005693248
<i>Mariprofundus ferrooxydans</i>	3	4	0.006300006	0.007590997
<i>Elizabethkingia meningoseptica</i>	3	2	0.006300006	0.003795499
<i>Bradyrhizobium sp. S23321</i>	3	3	0.006300006	0.005693248
<i>Phenylobacterium zucineum</i>	3	3	0.006300006	0.005693248
<i>Balneola vulgaris</i>	3	3	0.006300006	0.005693248
<i>Pseudonocardia dioxanivorans</i>	3	3	0.006300006	0.005693248
<i>Effusibacillus pohliae</i>	3	3	0.006300006	0.005693248
<i>Nevskia ramosa</i>	3	2	0.006300006	0.003795499
<i>Methylosinus sp. LW4</i>	3	3	0.006300006	0.005693248
<i>Rhodobacter sphaeroides</i>	3	3	0.006300006	0.005693248
<i>Burkholderia pyrrocinia</i>	3	4	0.006300006	0.007590997
<i>Haemophilus influenzae</i>	3	4	0.006300006	0.007590997
<i>Thermus aquaticus</i>	3	3	0.006300006	0.005693248
<i>Lewinella cohaerens</i>	3	3	0.006300006	0.005693248
<i>Anaeromusa acidaminophila</i>	3	3	0.006300006	0.005693248
<i>Caenispirillum salinarum</i>	3	3	0.006300006	0.005693248
<i>Mycobacterium rhodesiae</i>	3	2	0.006300006	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Candidatus Nitrosopumilus salaria</i>	3	11	0.006300006	0.020875242
<i>Coprococcus comes</i>	3	3	0.006300006	0.005693248
<i>Rhizobium gallicum</i>	3	4	0.006300006	0.007590997
<i>Paenibacillus elgii</i>	3	5	0.006300006	0.009488746
<i>Methanosarcina barkeri</i>	3	4	0.006300006	0.007590997
<i>Amycolatopsis nigrescens</i>	3	3	0.006300006	0.005693248
<i>Methylovulum miyakonense</i>	3	3	0.006300006	0.005693248
<i>Wolbachia endosymbiont of Drosophila simulans</i>	3		0.006300006	
<i>Streptomyces coelicolor</i>	3	3	0.006300006	0.005693248
<i>Desulfovibrio sp. A2</i>	3	2	0.006300006	0.003795499
<i>Kordiimonas gwangyangensis</i>	3	3	0.006300006	0.005693248
<i>Janibacter hoylei</i>	3	3	0.006300006	0.005693248
<i>marine gamma proteobacterium HTCC2148</i>	3	3	0.006300006	0.005693248
<i>Vibrio cyclitrophicus</i>	3	3	0.006300006	0.005693248
<i>Listeria seeligeri</i>	3	3	0.006300006	0.005693248
<i>zeta proteobacterium SCGC AB-133-C04</i>	3	3	0.006300006	0.005693248
<i>Conexibacter woesei</i>	3	3	0.006300006	0.005693248
<i>Propionibacterium acnes</i>	3	5	0.006300006	0.009488746
<i>Xanthomonas vesicatoria</i>	3	3	0.006300006	0.005693248
<i>actinobacterium SCGC AAA278-I18</i>	3	3	0.006300006	0.005693248
<i>Chlamydia psittaci</i>	3	4	0.006300006	0.007590997
<i>Brevundimonas sp. BAL3</i>	3	3	0.006300006	0.005693248
<i>Burkholderia xenovorans</i>	3	3	0.006300006	0.005693248

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>cyanobacterium PCC 7702</i>	3	4	0.006300006	0.007590997
<i>Roseibium sp. TrichSKD4</i>	3	3	0.006300006	0.005693248
<i>Oceanibaculum indicum</i>	3	5	0.006300006	0.009488746
<i>Gordonia neofelifaecis</i>	3	3	0.006300006	0.005693248
<i>Macrophomina phaseolina</i>	3	3	0.006300006	0.005693248
<i>Laceyella sacchari</i>	3	4	0.006300006	0.007590997
<i>Clostridium carboxidivorans</i>	3	3	0.006300006	0.005693248
<i>Anaerobaculum hydrogeniformans</i>	3	4	0.006300006	0.007590997
<i>Thalassobium sp. R2A62</i>	3	3	0.006300006	0.005693248
<i>Mycobacterium phlei</i>	3	3	0.006300006	0.005693248
<i>Heliobacillus mobilis</i>	3	4	0.006300006	0.007590997
<i>Limnohabitans sp. Rim47</i>	3	5	0.006300006	0.009488746
<i>Spirosoma luteum</i>	3	4	0.006300006	0.007590997
<i>Oscillatoriales cyanobacterium JSC-12</i>	3	2	0.006300006	0.003795499
<i>Methylobacterium nodulans</i>	3	2	0.006300006	0.003795499
<i>Microbacterium paraoxydans</i>	3	3	0.006300006	0.005693248
<i>Dietzia cinnamea</i>	3	4	0.006300006	0.007590997
<i>Brevibacillus borstelensis</i>	3	3	0.006300006	0.005693248
<i>Cecembia lonarensis</i>	3	3	0.006300006	0.005693248
<i>Tomitella biformata</i>	3	4	0.006300006	0.007590997
<i>Thiothrix flexilis</i>	3	3	0.006300006	0.005693248
<i>blood disease bacterium R229</i>	3	4	0.006300006	0.007590997
<i>Achromobacter arsenitoxydans</i>	3	3	0.006300006	0.005693248

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Variovorax sp. HH01</i>	3	2	0.006300006	0.003795499
<i>Mycobacterium intracellulare</i>	3	3	0.006300006	0.005693248
<i>Fulvivirga imtechensis</i>	3	3	0.006300006	0.005693248
<i>alpha proteobacterium SCGC AAA015-O19</i>	3	3	0.006300006	0.005693248
<i>Burkholderia phage Bups phi1</i>	2	2	0.004200004	0.003795499
<i>Bacteroides uniformis</i>	2	2	0.004200004	0.003795499
<i>Desulfobacter postgatei</i>	2	2	0.004200004	0.003795499
<i>Rhodopseudomonas palustris</i>	2	2	0.004200004	0.003795499
<i>Sulfobacillus thermosulfidooxidans</i>	2	2	0.004200004	0.003795499
<i>Novosphingobium sp. PP1Y</i>	2	2	0.004200004	0.003795499
<i>Clostridium beijerinckii</i>	2	3	0.004200004	0.005693248
<i>Pseudomonas sp. 2_1_26</i>	2	3	0.004200004	0.005693248
<i>Salinivibrio phage CW02</i>	2	2	0.004200004	0.003795499
<i>Streptomyces niveus</i>	2	2	0.004200004	0.003795499
<i>Rhodoferax ferrireducens</i>	2	3	0.004200004	0.005693248
<i>Edwardsiella tarda</i>	2	2	0.004200004	0.003795499
<i>Flexithrix dorotheae</i>	2	4	0.004200004	0.007590997
<i>Candidatus Nanosalinarum sp. J07AB56</i>	2	2	0.004200004	0.003795499
<i>Bacteroides massiliensis</i>	2	2	0.004200004	0.003795499
<i>Synechococcus sp. JA-2-3B'a(2-13)</i>	2	2	0.004200004	0.003795499
<i>Franconibacter helveticus</i>	2	2	0.004200004	0.003795499
<i>Arthrospira platensis</i>	2	2	0.004200004	0.003795499
<i>Verrucomicrobia bacterium LP2A</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Salmonella phage FSLSP030</i>	2	3	0.004200004	0.005693248
<i>Bacillus ligniniphilus</i>	2	2	0.004200004	0.003795499
<i>Orenia marismortui</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas agarici</i>	2	3	0.004200004	0.005693248
<i>Lachnospiraceae bacterium JC7</i>	2	2	0.004200004	0.003795499
<i>Ralstonia phage RSL1</i>	2		0.004200004	
<i>Marteella mediterranea</i>	2	3	0.004200004	0.005693248
<i>Paenibacillus barengoltzii</i>	2	3	0.004200004	0.005693248
<i>Acidithiobacillus thiooxidans</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas bauzanensis</i>	2	2	0.004200004	0.003795499
<i>Brevibacillus brevis</i>	2	2	0.004200004	0.003795499
<i>Xanthomonas fragariae</i>	2	2	0.004200004	0.003795499
<i>Rhizobium phaseoli</i>	2	2	0.004200004	0.003795499
<i>Pusillimonas noertemannii</i>	2	3	0.004200004	0.005693248
<i>Histoplasma capsulatum</i>	2	2	0.004200004	0.003795499
<i>actinobacterium SCGC AAA015-D07</i>	2	2	0.004200004	0.003795499
<i>Faecalitalea cylindroides</i>	2	2	0.004200004	0.003795499
<i>Streptomyces sp. SPB74</i>	2		0.004200004	
<i>Aestuariiimicrobium kwangyangense</i>	2	2	0.004200004	0.003795499
<i>Methylohalobius crimeensis</i>	2	4	0.004200004	0.007590997
<i>Halococcus saccharolyticus</i>	2	2	0.004200004	0.003795499
<i>Draconibacterium orientale</i>	2	2	0.004200004	0.003795499
<i>Thauera linaloolentis</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Saccharomyces cerevisiae</i>	2	2	0.004200004	0.003795499
<i>Amycolatopsis rifamycinica</i>	2	3	0.004200004	0.005693248
<i>Saprospira grandis</i>	2	2	0.004200004	0.003795499
<i>Streptomyces acidiscabies</i>	2	2	0.004200004	0.003795499
<i>actinobacterium SCGC AAA027-L06</i>	2	2	0.004200004	0.003795499
<i>Burkholderia sp. Y123</i>	2	2	0.004200004	0.003795499
<i>Candidatus Nitrosoarchaeum koreensis</i>	2	11	0.004200004	0.020875242
<i>Gordonia araii</i>	2	2	0.004200004	0.003795499
<i>Mesorhizobium opportunistum</i>	2	2	0.004200004	0.003795499
<i>Treponema maltophilum</i>	2	2	0.004200004	0.003795499
<i>Aquifex aeolicus</i>	2	2	0.004200004	0.003795499
<i>Hydrocarboniphaga effusa</i>	2	2	0.004200004	0.003795499
<i>Novispirillum itersonii</i>	2	2	0.004200004	0.003795499
<i>Burkholderia ambifaria</i>	2	2	0.004200004	0.003795499
<i>Streptomyces chartreusis</i>	2	2	0.004200004	0.003795499
<i>Streptomyces albus</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas chlororaphis</i>	2	2	0.004200004	0.003795499
<i>EBPR siphovirus 2</i>	2	2	0.004200004	0.003795499
<i>Henriciella marina</i>	2	2	0.004200004	0.003795499
<i>Burkholderia sp. RPE64</i>	2		0.004200004	
<i>Butyrivibrio fibrisolvens</i>	2	2	0.004200004	0.003795499
<i>Bradyrhizobium sp. BTAi1</i>	2	2	0.004200004	0.003795499
<i>Lamprocystis purpurea</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Phaeospirillum molischianum</i>	2	2	0.004200004	0.003795499
<i>Gardnerella vaginalis</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas sp. GM80</i>	2	2	0.004200004	0.003795499
<i>Thermaerobacter marianensis</i>	2	2	0.004200004	0.003795499
<i>Salsuginibacillus kocurii</i>	2	2	0.004200004	0.003795499
<i>Legionella pneumophila</i>	2	3	0.004200004	0.005693248
<i>Rhizobium phage 16-3</i>	2	2	0.004200004	0.003795499
<i>Enterobacter aerogenes</i>	2	2	0.004200004	0.003795499
<i>Ruminococcus flavefaciens</i>	2		0.004200004	
<i>Granulibacter bethesdensis</i>	2	2	0.004200004	0.003795499
<i>Rhizobium sp. CF142</i>	2	2	0.004200004	0.003795499
<i>Rhodococcus sp. JVH1</i>	2	2	0.004200004	0.003795499
<i>Sphingobium sp. SYK-6</i>	2	2	0.004200004	0.003795499
<i>Haloquadratum walsbyi</i>	2	3	0.004200004	0.005693248
<i>Nocardiopsis prasina</i>	2	2	0.004200004	0.003795499
<i>Halococcus salifodinae</i>	2	2	0.004200004	0.003795499
<i>Candidatus Arthromitus sp. SFB-3</i>	2	2	0.004200004	0.003795499
<i>Nitrospirillum amazonense</i>	2	4	0.004200004	0.007590997
<i>Vibrio nigripulchritudo</i>	2	2	0.004200004	0.003795499
<i>Thermus oshimai</i>	2	2	0.004200004	0.003795499
<i>Halalkalicoccus jeotgali</i>	2	2	0.004200004	0.003795499
<i>Vibrio genomosp. F6</i>	2	2	0.004200004	0.003795499
<i>Salinicoccus albus</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Bdellovibrio bacteriovorus</i>	2	2	0.004200004	0.003795499
<i>Pleurocapsa sp. PCC 7319</i>	2	2	0.004200004	0.003795499
<i>Halomonas anticariensis</i>	2	3	0.004200004	0.005693248
<i>Bacillus smithii</i>	2	2	0.004200004	0.003795499
<i>Methylobacterium sp. MB200</i>	2	3	0.004200004	0.005693248
<i>Pseudomonas monteilii</i>	2		0.004200004	
<i>Gordonia effusa</i>	2	3	0.004200004	0.005693248
<i>Bradyrhizobiaceae bacterium SG-6C</i>	2	2	0.004200004	0.003795499
<i>Chitinophaga pinensis</i>	2	2	0.004200004	0.003795499
<i>Piscirickettsia salmonis</i>	2	2	0.004200004	0.003795499
<i>Desulfovibrio africanus</i>	2	3	0.004200004	0.005693248
<i>Anabaena sp. PCC 7108</i>	2	2	0.004200004	0.003795499
<i>Alcaligenes sp. HPC1271</i>	2	2	0.004200004	0.003795499
<i>Methylobacter marinus</i>	2	2	0.004200004	0.003795499
<i>Bradyrhizobium sp. STM 3809</i>	2	4	0.004200004	0.007590997
<i>Halostagnicola larsenii</i>	2	2	0.004200004	0.003795499
<i>Xenococcus sp. PCC 7305</i>	2	3	0.004200004	0.005693248
<i>Mycobacterium parascrofulaceum</i>	2	3	0.004200004	0.005693248
<i>Desulfovibrio fructosivorans</i>	2	2	0.004200004	0.003795499
<i>Ruegeria sp. PR1b</i>	2	2	0.004200004	0.003795499
<i>Wolinella succinogenes</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas sp. GM50</i>	2	2	0.004200004	0.003795499
<i>Streptomyces griseoaurantiacus</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Alcanivorax hongdengensis</i>	2	2	0.004200004	0.003795499
<i>Bacteroides eggertii</i>	2	3	0.004200004	0.005693248
<i>Indibacter alkaliphilus</i>	2	2	0.004200004	0.003795499
<i>Salinispora tropica</i>	2	2	0.004200004	0.003795499
<i>Oceanibulbus indolifex</i>	2	3	0.004200004	0.005693248
<i>Brucella canis</i>	2	3	0.004200004	0.005693248
<i>zeta proteobacterium SCGC AB-137-C09</i>	2	2	0.004200004	0.003795499
<i>Rhodococcus imtechensis</i>	2	2	0.004200004	0.003795499
<i>Aciduliprofundum boonei</i>	2	2	0.004200004	0.003795499
<i>Candidatus Odysella thessalonicensis</i>	2	2	0.004200004	0.003795499
<i>Xanthomonas translucens</i>	2	3	0.004200004	0.005693248
<i>Pedobacter heparinus</i>	2	2	0.004200004	0.003795499
<i>Echinicola pacifica</i>	2	2	0.004200004	0.003795499
<i>Mycobacterium iranicum</i>	2	2	0.004200004	0.003795499
<i>Bartonella tamiae</i>	2	2	0.004200004	0.003795499
<i>Nitrosopumilus sp. AR</i>	2	2	0.004200004	0.003795499
<i>Bacillus firmus</i>	2	2	0.004200004	0.003795499
<i>Shigella flexneri</i>	2	3	0.004200004	0.005693248
<i>Clostridium sp.</i>	2	2	0.004200004	0.003795499
<i>Candidatus Arthromitus sp. SFB-1</i>	2	2	0.004200004	0.003795499
<i>Dermacoccus sp. Ellin185</i>	2	2	0.004200004	0.003795499
<i>Herminiimonas arsenicoxydans</i>	2	2	0.004200004	0.003795499
<i>Micrococcus luteus</i>	2	3	0.004200004	0.005693248

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Thiothrix nivea</i>	2	3	0.004200004	0.005693248
<i>Nocardia brasiliensis</i>	2	2	0.004200004	0.003795499
<i>Asticcacaulis biprosthecium</i>	2	2	0.004200004	0.003795499
<i>Streptomyces phage phiSASD1</i>	2	2	0.004200004	0.003795499
<i>Streptomyces gancidicus</i>	2	2	0.004200004	0.003795499
<i>Rhizobium mesoamericanum</i>	2		0.004200004	
<i>Pseudomonas phage vB_Pae-Kakheti25</i>	2	2	0.004200004	0.003795499
<i>Vibrio tubiashii</i>	2	2	0.004200004	0.003795499
<i>Hymenobacter aerophilus</i>	2	2	0.004200004	0.003795499
<i>Agromyces italicus</i>	2	2	0.004200004	0.003795499
<i>Gluconacetobacter diazotrophicus</i>	2	2	0.004200004	0.003795499
<i>Blastopirellula marina</i>	2	3	0.004200004	0.005693248
<i>Desulfovibrio sp. X2</i>	2	3	0.004200004	0.005693248
<i>Pseudomonas thermotolerans</i>	2	3	0.004200004	0.005693248
<i>Brucella pinnipedialis</i>	2	2	0.004200004	0.003795499
<i>Halomonas lutea</i>	2	2	0.004200004	0.003795499
<i>Segniliparus rugosus</i>	2	2	0.004200004	0.003795499
<i>Paraprevotella clara</i>	2	2	0.004200004	0.003795499
<i>Sciscionella marina</i>	2	2	0.004200004	0.003795499
<i>Enterobacter phage Enc34</i>	2	2	0.004200004	0.003795499
<i>Gordonia sputi</i>	2	2	0.004200004	0.003795499
<i>Desulfobacterium sp. AK1</i>	2	2	0.004200004	0.003795499
<i>Comamonas sp. B-9</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Acidovorax sp. NO-1</i>	2	7	0.004200004	0.013284245
<i>Vibrio genomosp. F10</i>	2		0.004200004	
<i>Rhodothermus marinus</i>	2	2	0.004200004	0.003795499
<i>SAR86 cluster bacterium SAR86B</i>	2	2	0.004200004	0.003795499
<i>Mycobacterium triplex</i>	2	2	0.004200004	0.003795499
<i>Neisseria elongata</i>	2	2	0.004200004	0.003795499
<i>Amycolatopsis balhimycina</i>	2	2	0.004200004	0.003795499
<i>Amycolatopsis halophila</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas pseudoalcaligenes</i>	2	4	0.004200004	0.007590997
<i>Phyllobacterium sp. YR531</i>	2		0.004200004	
<i>Natronococcus occultus</i>	2	2	0.004200004	0.003795499
<i>Nodularia spumigena</i>	2	2	0.004200004	0.003795499
<i>Loktanella phage pCB2051-A</i>	2	2	0.004200004	0.003795499
<i>zeta proteobacterium SCGC AB-604-B04</i>	2	2	0.004200004	0.003795499
<i>Coprothermobacter platensis</i>	2	2	0.004200004	0.003795499
<i>Streptomyces sp. W75</i>	2		0.004200004	
<i>Mycobacterium vulneris</i>	2	2	0.004200004	0.003795499
<i>Aquimarina agarilytica</i>	2	2	0.004200004	0.003795499
<i>Caldanaerobacter subterraneus</i>	2	6	0.004200004	0.011386496
<i>Halogranum salarium</i>	2	2	0.004200004	0.003795499
<i>Rhodococcus equi</i>	2	3	0.004200004	0.005693248
<i>Cupriavidus necator</i>	2	2	0.004200004	0.003795499
<i>Pasteurella multocida</i>	2	5	0.004200004	0.009488746

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Hoeflea phototrophica</i>	2	2	0.004200004	0.003795499
<i>Acinetobacter johnsonii</i>	2	2	0.004200004	0.003795499
<i>Capronia coronata</i>	2	2	0.004200004	0.003795499
<i>Elioraea tepidiphila</i>	2	2	0.004200004	0.003795499
<i>Rubrobacter xylanophilus</i>	2	2	0.004200004	0.003795499
<i>Nakamurella multipartita</i>	2	2	0.004200004	0.003795499
<i>Rhodopirellula sp. SWK7</i>	2	2	0.004200004	0.003795499
<i>Burkholderia sp. A1</i>	2	2	0.004200004	0.003795499
<i>[Clostridium] asparagiforme</i>	2	2	0.004200004	0.003795499
<i>marine gamma proteobacterium HTCC2143</i>	2	2	0.004200004	0.003795499
<i>Thermocrinis ruber</i>	2	2	0.004200004	0.003795499
<i>Streptomyces carzinostaticus</i>	2	2	0.004200004	0.003795499
<i>Desulfobacter curvatus</i>	2	2	0.004200004	0.003795499
<i>Nesterenkonia alba</i>	2	2	0.004200004	0.003795499
<i>Thermotoga maritima</i>	2	4	0.004200004	0.007590997
<i>Marinobacter sp. ELB17</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas amyloclavata</i>	2	2	0.004200004	0.003795499
<i>Fischerella thermalis</i>	2	2	0.004200004	0.003795499
<i>alpha proteobacterium SCGC AAA015-N04</i>	2	2	0.004200004	0.003795499
<i>Gordonia namibiensis</i>	2	2	0.004200004	0.003795499
<i>Bifidobacterium adolescentis</i>	2		0.004200004	
<i>Rhodobacterales bacterium Y4I</i>	2	2	0.004200004	0.003795499
<i>Methylophilales phage HIM624-A</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Oxalobacter formigenes</i>	2	2	0.004200004	0.003795499
<i>Mobilicoccus pelagius</i>	2	2	0.004200004	0.003795499
<i>Algoriphagus machipongonensis</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas fragi</i>	2	2	0.004200004	0.003795499
<i>Leucothrix mucor</i>	2	2	0.004200004	0.003795499
<i>Streptomyces sp. SPB78</i>	2	2	0.004200004	0.003795499
<i>Nonomuraea sp. ATCC 39727</i>	2	2	0.004200004	0.003795499
<i>Thioalkalivibrio paradoxus</i>	2	2	0.004200004	0.003795499
<i>Geminocystis herdmanii</i>	2	2	0.004200004	0.003795499
<i>Thermobaculum terrenum</i>	2	2	0.004200004	0.003795499
<i>Rhizobium giardinii</i>	2	2	0.004200004	0.003795499
<i>Rhizobium sp. CF080</i>	2	3	0.004200004	0.005693248
<i>Streptomyces mobaraensis</i>	2	2	0.004200004	0.003795499
<i>Microcoleus vaginatus</i>	2	2	0.004200004	0.003795499
<i>Ornithinimicrobium pekingense</i>	2	2	0.004200004	0.003795499
<i>Clostridium sp. ASF502</i>	2	2	0.004200004	0.003795499
<i>Saccharomonospora xinjiangensis</i>	2		0.004200004	
<i>Salisaeta longa</i>	2	3	0.004200004	0.005693248
<i>Sphingobium japonicum</i>	2	4	0.004200004	0.007590997
<i>Methanohalobium evestigatum</i>	2	2	0.004200004	0.003795499
<i>Candidatus Sulcia muelleri</i>	2	2	0.004200004	0.003795499
<i>Pseudoxanthomonas suwonensis</i>	2	3	0.004200004	0.005693248
<i>Burkholderia sp. SJ98</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Rhodococcus phage REQ2</i>	2		0.004200004	
<i>Brevibacillus panacihumi</i>	2	2	0.004200004	0.003795499
<i>Porphyromonas gingivalis</i>	2	3	0.004200004	0.005693248
<i>Prevotella oris</i>	2	2	0.004200004	0.003795499
<i>Bacillus sp. 2_A_57_CT2</i>	2	2	0.004200004	0.003795499
<i>butyrate-producing bacterium SM4/1</i>	2	2	0.004200004	0.003795499
<i>Methylococcus capsulatus</i>	2	5	0.004200004	0.009488746
<i>Fodinicurvata sediminis</i>	2	2	0.004200004	0.003795499
<i>Gillisia limnaea</i>	2	2	0.004200004	0.003795499
<i>Asaia sp. SF2.1</i>	2	2	0.004200004	0.003795499
<i>alpha proteobacterium SCGC AAA027-J10</i>	2	2	0.004200004	0.003795499
<i>Virgibacillus halodenitrificans</i>	2	2	0.004200004	0.003795499
<i>Comamonas badia</i>	2	2	0.004200004	0.003795499
<i>Chryseobacterium gleum</i>	2	2	0.004200004	0.003795499
<i>Nocardiopsis halotolerans</i>	2	2	0.004200004	0.003795499
<i>Ralstonia sp. 5_2_56FAA</i>	2	2	0.004200004	0.003795499
<i>Xanthobacter autotrophicus</i>	2		0.004200004	
<i>Desulfosporosinus acidiphilus</i>	2	2	0.004200004	0.003795499
<i>Streptomyces sp. Tu6071</i>	2	2	0.004200004	0.003795499
<i>Pseudomonas plecoglossicida</i>	2	2	0.004200004	0.003795499
<i>SAR324 cluster bacterium SCGC AAA001-C10</i>	2	2	0.004200004	0.003795499
<i>Cohnella laeviribosi</i>	2	2	0.004200004	0.003795499
<i>zeta proteobacterium SCGC AB-137-J06</i>	2	2	0.004200004	0.003795499

SPECIES #Taxonomy	Absolute abundance (gene number)		Relative abundance (%)	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Nocardiopsis xinjiangensis</i>	2	2	0.004200004	0.003795499
<i>Salinisphaera shabanensis</i>	2	3	0.004200004	0.005693248
<i>Roseobacter sp. GAI101</i>	2		0.004200004	
<i>Mastigocladopsis repens</i>	2	3	0.004200004	0.005693248
<i>Coxiella burnetii</i>	2		0.004200004	
<i>Hungatella hathewayi</i>	2	2	0.004200004	0.003795499
<i>Pantoea sp. GM01</i>	2	2	0.004200004	0.003795499
<i>Desulfosporosinus sp. OT</i>	2	2	0.004200004	0.003795499
<i>Herbaspirillum rubrisubalbicans</i>	2	2	0.004200004	0.003795499
<i>Sphingobium sp. HDIP04</i>	2	2	0.004200004	0.003795499
<i>Methylocystis parvus</i>	2	2	0.004200004	0.003795499
<i>Methanobacterium formicicum</i>	2	2	0.004200004	0.003795499
<i>Verrucomicrobium sp. 3C</i>	2	2	0.004200004	0.003795499
<i>Mesoflavibacter zeaxanthinifaciens</i>	2	2	0.004200004	0.003795499
<i>Chloroflexi bacterium oral taxon 439</i>	2	2	0.004200004	0.003795499
<i>Brachymonas chironomi</i>	2	2	0.004200004	0.003795499
SUM	47032	51901	98.76729871	98.49508495

Table S13. Relative abundance of major taxons at different classification level in the rhizosphere soil based on gene number versus species abundance.

Relative abundances of major kingdoms in the rhizosphere soil				
Major taxonomic groups	Relative abundances (%)			
	assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Kingdom				
Bacteria ¹	63.407 ³	60.933	84.338	79.097
Unclassified	14.336	14.531	14.726	18.634
<i>Fungi</i>	0.134	0.131	0.070	0.105
<i>Viruses</i>	0.378	0.366	0.739	0.925
Archaea ²	0.540	1.048	0.127	1.240

¹ Table cells filled with green color indicated that the relative abundances of those taxons in MGZ31DRh were higher than those in MGZ31J1DRh using two methods.

² Table cells filled with yellow color indicated that the relative abundances of those taxons in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

Relative abundances of major phyla in the rhizosphere soil				
Major taxonomic groups	Relative abundances (%)			
	Assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Phylum				
<i>Proteobacteria</i> ¹	38.558 ³	36.511	65.403	46.176
Unclassified	19.564	19.833	18.001	24.870
<i>Actinobacteria</i>	7.579	7.2646	9.833	14.542
<i>Firmicutes</i> ²	1.277	1.340	0.621	1.336
<i>Bacteroidetes</i>	4.351	4.1921	2.461	4.690
<i>Gemmatimonadetes</i>	2.745	2.663	1.542	2.930
<i>Ascomycota</i>	0.103	0.197	0.052	0.074
<i>Acidobacteria</i>	1.999	2.021	0.860	2.035
<i>Cyanobacteria</i>	0.693	0.677	0.340	0.718
<i>Verrucomicrobia</i>	0.202	0.199	0.088	0.197
<i>Basidiomycota</i>	0.017	0.017	0.010	0.013
<i>Armatimonadetes</i>	ND ⁴	ND	ND	ND
<i>Glomeromycota</i>	0.002	0.004	0.0003	0.002
<i>Planctomycetes</i>	0.189	0.190	0.093	0.197
<i>Nitrospirae</i>	0.050	0.057	0.036	0.058
<i>Chloroflexi</i>	0.542	0.550	0.241	0.523
<i>Thaumarchaeota</i>	0.246	0.638	0.033	0.774

¹ Table cells filled with green color indicated that the relative abundances of those taxa in MGZ31DRh were higher than those in MGZ31J1DRh using two methods.

² Table cells filled with yellow color indicated that the relative abundances of those taxa in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ ND = not detected.

Relative abundances of major classes in the rhizosphere soil				
Major taxonomic groups (> 99.9%)	Relative abundances (%)			
	Assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Class				
<i>Alphaproteobacteria</i> ¹	21.666 ³	19.609	53.942	28.048
<i>Betaproteobacteria</i>	10.145	10.106	7.246	11.112
Unclassified	25.190	25.773	21.263	31.421
<i>Gammaproteobacteria</i> ²	3.696	3.723	2.257	3.717
<i>Actinobacteria</i>	7.264	6.931	9.728	14.229
<i>Bacilli</i>	0.607	0.668	0.329	0.674
<i>Sphingobacteriia</i>	1.846	1.757	1.082	2.016
<i>Gemmatimonadetes</i>	2.745	2.663	1.542	2.930
<i>Deltaproteobacteria</i>	0.645	0.649	0.301	0.728
<i>Flavobacteriia</i>	0.145	0.148	0.069	0.151
<i>Sordariomycetes</i>	0.055	0.055	0.033	0.042
<i>Eurotiomycetes</i>	0.011	0.008	0.004	0.004
<i>Acidobacteriia</i>	1.903	1.926	0.814	1.934
<i>Solibacteres</i>	0.044	0.042	0.024	0.050
<i>Opitutae</i>	0.017	0.013	0.009	0.017
<i>Cytophagia</i>	0.273	0.266	0.146	0.279
<i>Verrucomicrobiae</i>	0.105	0.102	0.048	0.095
<i>Glomeromycetes</i>	0.002	0.004	0.0003	0.0023
<i>Planctomycetia</i>	0.189	0.190	0.093	0.197
<i>Clostridia</i>	0.338	0.334	0.162	0.340
<i>Nitrospira</i>	0.050	0.057	0.036	0.058
<i>Dothideomycetes</i>	0.011	0.009	0.003	0.005
<i>Spartobacteria</i>	0.025	0.030	0.007	0.025

<i>Saccharomycetes</i>	0.006	0.006	0.001	0.004
<i>Agaricomycetes</i>	0.013	0.013	0.009	0.011

¹ Table cells filled with green color indicated that the relative abundances of those taxa in MGZ31DRh were higher than those in MGZ31J1DRh using two methods.

² Table cells filled with yellow color indicated that the relative abundances of those taxa in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

Relative abundances of major orders in the rhizosphere soil				
Major taxonomic groups	Relative abundances (%)			
	Assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Order				
<i>Rhizobiales</i> ¹	15.945 ³	14.347	49.737	22.918
<i>Burkholderiales</i>	9.374	9.301	6.932	10.405
Unclassified	29.184	29.354	23.690	34.993
<i>Enterobacteriales</i> ²	0.420	0.436	0.244	0.532
<i>Actinomycetales</i>	2.499	2.355	4.186	6.081
<i>Pseudomonadales</i>	0.937	0.964	0.713	1.108
<i>Xanthomonadales</i>	1.327	1.239	0.799	1.167
<i>Caulobacterales</i>	0.368	0.355	0.232	0.293
<i>Sphingomonadales</i>	4.135	3.723	2.851	3.417
<i>Sphingobacteriales</i>	1.846	1.757	1.082	2.016
<i>Lactobacillales</i>	0.084	0.099	0.052	0.082
<i>Bacillales</i>	0.498	0.537	0.266	0.561
<i>Myxococcales</i>	0.246	0.241	0.109	0.238
<i>Rhodocyclales</i>	0.174	0.194	0.078	0.201
<i>Neisseriales</i>	0.080	0.087	0.034	0.072
<i>Oscillatoriales</i>	0.122	0.114	0.054	0.106
<i>Flavobacteriales</i>	0.134	0.137	0.064	0.142
<i>Rhodospirillales</i>	0.229	0.233	0.195	0.307
<i>Hypocreales</i>	0.002	0.002	0.007	0.002
<i>Eurotiales</i>	0.002	ND ⁴	0.001	0.000
<i>Acidobacteriales</i>	1.903	1.926	0.814	1.934

¹ Table cells filled with green color indicated that the relative abundances of those taxons in MGZ31DRh were higher than those in MGZ31J1DRh using two methods.

² Table cells filled with yellow color indicated that the relative abundances of those taxons in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ ND = not detected.

Relative abundances of major families in the rhizosphere soil				
Major taxonomic groups	Relative abundances (%)			
	Assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Family				
<i>Bradyrhizobiaceae</i> ¹	14.488 ³	12.986	46.704	20.626
Unclassified	33.867	33.844	29.610	43.468
<i>Burkholderiaceae</i>	6.443	6.080	5.659	7.395
<i>Enterobacteriaceae</i> ²	0.420	0.436	0.244	0.532
<i>Comamonadaceae</i>	1.932	2.162	0.746	2.008
<i>Streptomycetaceae</i>	0.741	0.717	0.712	1.062
<i>Rhizobiaceae</i>	0.496	0.474	0.900	0.832
<i>Phyllobacteriaceae</i>	0.233	0.205	0.810	0.413
<i>Pseudomonadaceae</i>	0.825	0.852	0.595	0.930
<i>Oxalobacteraceae</i>	0.237	0.251	0.176	0.288
<i>Alcaligenaceae</i>	0.124	0.133	0.065	0.112
<i>Xanthomonadaceae</i>	1.298	1.211	0.779	1.132
<i>Caulobacteraceae</i>	0.368	0.355	0.232	0.293
<i>Sphingomonadaceae</i>	3.816	3.441	2.615	3.147
<i>Streptococcaceae</i>	0.029	0.032	0.012	0.031
<i>Bacillaceae</i>	0.162	0.180	0.094	0.207
<i>Rhodocyclaceae</i>	0.174	0.194	0.078	0.201
<i>Micromonosporaceae</i>	0.292	0.279	0.394	0.598
<i>Mycobacteriaceae</i>	0.302	0.296	0.340	0.487
<i>Pseudonocardiaceae</i>	0.428	0.406	0.566	0.878
<i>Methylobacteriaceae</i>	0.158	0.146	0.397	0.314
<i>Chromobacteriaceae</i>	0.025	0.030	0.010	0.027
<i>Nocardioidaceae</i>	1.233	1.139	1.266	1.724

<i>Flavobacteriaceae</i>	0.124	0.125	0.059	0.129
<i>Myxococcaceae</i>	0.017	0.019	0.013	0.013
<i>Rhodospirillaceae</i>	0.109	0.118	0.091	0.123
<i>Polyangiaceae</i>	0.057	0.061	0.023	0.074
<i>Nectriaceae</i>	ND ⁴	ND	NA ⁵	NA
<i>Nocardiaceae</i>	0.244	0.243	0.566	0.878
<i>Aspergillaceae</i>	0.002	ND	0.001	0.000
<i>Geodermatophilaceae</i>	0.046	0.046	0.092	0.128

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² Table cells filled with yellow color indicated that the relative abundances of those taxa in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ ND = not detected.

⁵ NA = not announced because it was much less than 0.001.

Relative abundances of major genera in the rhizosphere soil				
Major taxonomic groups	Relative abundances (%)			
	Assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Genus				
<i>Bradyrhizobium</i> ¹	13.955 ³	12.499	45.276	19.792
Unclassified			33.869	50.330
<i>Ralstonia</i>	4.738	4.361	4.622	5.750
<i>Cupriavidus</i>	0.162	0.161	0.108	0.147
<i>Burkholderia</i> ²	1.348	1.355	0.795	1.284
<i>Variovorax</i>	0.685	0.672	0.333	0.578
<i>Enterobacter</i>	0.008	0.006	0.009	0.005
<i>Streptomyces</i>	0.720	0.696	0.683	1.020
<i>Mesorhizobium</i>	0.168	0.154	0.628	0.185
<i>Rhizobium</i>	0.227	0.226	0.442	0.504
<i>Pseudomonas</i>	0.823	0.850	0.594	0.928
<i>Herbaspirillum</i>	0.061	0.068	0.039	0.063
<i>Achromobacter</i>	0.036	0.044	0.016	0.035
<i>Rhodopseudomonas</i>	0.107	0.095	0.413	0.240
<i>Acidovorax</i>	0.158	0.209	0.069	0.192
<i>Niastella</i>	0.002	0.002	0.000	0.001
<i>Caulobacter</i>	0.258	0.247	0.168	0.196
<i>Streptococcus</i>	0.025	0.028	0.011	0.028
<i>Delftia</i>	0.021	0.021	0.013	0.029
<i>Comamonas</i>	0.038	0.044	0.015	0.031
<i>Bacillus</i>	0.103	0.120	0.001	0.005
<i>Stenotrophomonas</i>	0.038	0.030	0.020	0.029

<i>Sphingomonas</i>	1.054	0.979	0.695	0.961
<i>Ramlibacter</i>	0.023	0.032	0.005	0.033
<i>Mycobacterium</i>	0.300	0.296	0.340	0.487
<i>Phenylobacterium</i>	0.006	0.006	0.002	0.006
<i>Methylobacterium</i>	0.107	0.097	0.232	0.182
<i>Novosphingobium</i>	0.792	0.693	0.580	0.482
<i>Pseudogulbenkiania</i>	0.015	0.019	0.005	0.015
<i>Rubrivivax</i>	0.021	0.023	0.007	0.024
<i>Actinoplanes</i>	0.059	0.059	0.067	0.105
<i>Sphingobium</i>	0.300	0.281	0.580	0.482
<i>Amycolatopsis</i>	0.143	0.131	0.158	0.259
<i>Azospira</i>	ND ⁴	ND	NA ⁵	NA
<i>Oscillatoria</i>	0.021	0.019	0.009	0.018
<i>Alicyclophilus</i>	ND	ND	NA	NA
<i>Agrobacterium</i>	0.065	0.065	0.075	0.063
<i>Pseudoxanthomonas</i>	0.004	0.006	0.001	0.003
<i>Xanthomonas</i>	0.246	0.233	0.145	0.194
<i>Chitinophaga</i>	0.004	0.004	0.001	0.003
<i>Fusarium</i>	ND	ND	NA	NA
<i>Sorangium</i>	0.002	0.004	0.001	0.003
<i>Methylbium</i>	ND	0.002	0.000	0.001
<i>Leptothrix</i>	0.002	0.002	0.001	0.001
<i>Azospirillum</i>	0.036	0.044	0.030	0.042
<i>Azoarcus</i>	0.027	0.028	0.015	0.032
<i>Chryseobacterium</i>	0.008	0.008	0.005	0.008
<i>Serratia</i>	0.006	0.006	0.002	0.007

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² Table cells filled with yellow color indicated that the relative abundances of those taxa in MGZ31DRh were lower than those in MGZ31J1DRh using two

methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ ND = not detected.

⁵ NA = not announced because it was much less than 0.001.

Relative abundances of major species in the rhizosphere soil				
Major taxonomic groups	Relative abundances (%)			
	Assembled by SOAPdenovo2 according to gene number		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Species				
Unclassified	41.719	41.439	46.152	54.143
<i>Bradyrhizobium elkanii</i>¹	10.034³	8.965	30.203	13.741
<i>Ralstonia pickettii</i>	3.539	3.239	3.501	4.345
<i>Plautia stali symbiont</i>	ND	ND	NA	NA
<i>Cupriavidus necator</i>	0.004	0.004	0.003	0.002
<i>Variovorax paradoxus</i>	0.271	0.256	0.142	0.236
<i>Cupriavidus taiwanensis</i>	0.011	0.008	0.009	0.012
<i>Bradyrhizobium japonicum</i>	0.748	0.657	2.648	1.017
<i>Herbaspirillum seropedicae</i>	ND ⁴	ND	NA ⁵	NA
<i>Enterobacter cloacae</i>	ND	ND	NA	NA
<i>Achromobacter xylosoxidans</i>²	0.017	0.023	0.007	0.017
<i>Enterobacter sp. R4-368</i>	ND	ND	NA	NA
<i>Ralstonia mannitolilytica</i>	0.002	0.002	0.001	0.001
<i>Rhodopseudomonas palustris</i>	0.004	0.004	0.005	0.001
<i>Cupriavidus pinatubonensis</i>	ND	0.002	0.000	0.000
<i>Bradyrhizobium sp. S23321</i>	0.006	0.006	0.015	0.008
<i>Niastella koreensis</i>	0.002	0.002	0.000	0.001
<i>Ralstonia solanacearum</i>	0.185	0.182	0.125	0.183
<i>Streptococcus agalactiae</i>	0.002	0.002	0.001	0.001
<i>Gemmatimonadetes bacterium KBS708</i>	2.684	2.602	1.503	2.857
<i>Comamonas testosteroni</i>	0.025	0.025	0.011	0.015

<i>Rhizobium sp. IRBG74</i>	ND	ND	NA	NA
<i>Burkholderia sp. CCGE1001</i>	ND	ND	NA	NA
<i>Stenotrophomonas maltophilia</i>	0.032	0.027	0.015	0.024
<i>Ramlibacter tataouinensis</i>	0.023	0.032	0.005	0.033
<i>Burkholderia cepacia</i>	0.008	0.008	0.009	0.007
<i>Phenylobacterium zucineum</i>	0.006	0.006	0.002	0.006
<i>Mesorhizobium huakuii</i>	ND	ND	NA	NA
<i>Bradyrhizobium sp. BTAi1</i>	0.004	0.004	0.016	0.007
<i>Burkholderia cenocepacia</i>	0.015	0.017	0.008	0.014
<i>Bradyrhizobium sp. ORS 278</i>	ND	ND	NA	NA
<i>Bacillus megaterium</i>	0.002	0.002	0.001	0.002
<i>Acidovorax sp. KKS102</i>	ND	ND	NA	NA
<i>Pseudogulbenkiania sp. NH8B</i>	ND	ND	NA	NA
<i>Caulobacter segnis</i>	ND	ND	NA	NA
<i>Pseudomonas putida</i>	0.036	0.034	0.019	0.058
<i>Rhizobium etli</i>	0.011	0.011	0.005	0.009
<i>Pseudomonas aeruginosa</i>	0.095	0.089	0.090	0.149
<i>Delftia acidovorans</i>	0.019	0.019	0.012	0.028
<i>Rubrivivax gelatinosus</i>	0.002	0.004	0.000	0.006
<i>Sphingomonas wittichii</i>	0.151	0.133	0.125	0.127
<i>Caulobacter vibrioides</i>	0.092	0.084	0.061	0.066
<i>Delftia sp. Cs1-4</i>	ND	ND	NA	NA
<i>Azospira oryzae</i>	ND	ND	NA	NA
<i>Alicyclophilus denitrificans</i>	ND	ND	NA	NA
<i>Oscillatoria nigro-viridis</i>	ND	ND	NA	NA
<i>Burkholderia ambifaria</i>	0.004	0.004	0.002	0.002
<i>Mesorhizobium loti</i>	0.034	0.032	0.062	0.056
<i>Rhizobium leguminosarum</i>	0.067	0.066	0.163	0.179
<i>Sorangium cellulosum</i>	0.002	0.004	0.001	0.003

<i>Methylibium petroleiphilum</i>	ND	0.002	0.000	0.001
<i>Chitinophaga pinensis</i>	0.004	0.004	0.001	0.003
<i>Leptothrix cholodnii</i>	ND	ND	NA	NA
<i>Amycolatopsis mediterranei</i>	0.015	0.013	0.008	0.017
<i>Rhizobium tropici</i>	ND	ND	NA	NA
<i>blood disease bacterium R229</i>	0.006	0.008	0.004	0.009
<i>Pseudoxanthomonas suwonensis</i>	0.004	0.006	0.001	0.003
<i>Nectria haematococca</i>	ND	ND	NA	NA
<i>Burkholderia sp. CCGE1003</i>	ND	0.002	0.000	0.001
<i>Acidovorax citrulli</i>	ND	ND	NA	NA
<i>Cupriavidus metallidurans</i>	0.002	0.004	0.006	0.004
<i>Mesorhizobium opportunistum</i>	0.004	0.004	0.003	0.003
<i>Streptomyces bingchengensis</i>	ND	0.002	0.000	0.001
<i>Mesorhizobium australicum</i>	ND	ND		
<i>Novosphingobium aromaticivorans</i>	0.011	0.011	0.005	0.011
<i>Azoarcus sp. KH32C</i>	ND	ND	NA	NA
<i>Chryseobacterium sp. StRB126</i>	ND	ND	NA	NA

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² Table cells filled with yellow color indicated that the relative abundances of those taxa in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ ND = not detected.

⁵ NA = not announced because it was much less than 0.001.

Table S14. Alpha diversity (Shannon) statistics assembled by SOAPdenovo2.

Comparison	Test	<i>p</i> -value
MGZ31J1DRh_vs_MGZ31DRh	wilcoxon	1.00

Shannon Index assembled by SOAPdenovo2.

Sample Name	Shannon Index
MGZ31DRh	2.288909784
MGZ31J1DRh	2.583866236

Comparison	Test	<i>p</i> -value
MGZ31J1DRh_vs_MGZ31DRh	wilcoxon	1.00

Table S15. Relative abundances of major taxons at different classification level in the rhizosphere soil.

Relative abundances of major kingdoms in the rhizosphere soil				
Major taxons	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Kingdom				
Bacteria ¹	86.120 ³	85.853	84.338	79.097
Unclassified	13.180	13.235	14.726	18.634
Fungi ²	0.674	0.855	0.070	0.105
Viruses	0.014	0.019	0.739	0.925
Archaea	0.013	0.038	0.127	1.240

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³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

Relative abundances of major phyla in the rhizosphere soil				
Major taxons	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Phylum				
<i>Proteobacteria</i> ¹	76.955 ³	71.796	65.403	46.176
Unclassified	14.181	14.415	18.001	24.870
<i>Actinobacteria</i> ²	4.343	6.391	9.833	14.542
<i>Firmicutes</i>	1.290	2.195	0.621	1.336
<i>Bacteroidetes</i>	1.276	1.902	2.461	4.690
<i>Gemmatimonadetes</i>	0.666	1.605	1.542	2.930
<i>Ascomycota</i>	0.390	0.463	0.052	0.074
<i>Acidobacteria</i>	0.290	0.616	0.860	2.035
<i>Cyanobacteria</i>	0.256	0.083	0.340	0.718
<i>Verrucomicrobia</i>	0.112	0.153	0.088	0.197
<i>Basidiomycota</i>	0.062	0.081	0.010	0.013
<i>Armatimonadetes</i>	0.039	0.055	ND ⁴	ND
<i>Glomeromycota</i>	0.029	0.038	0.0003	0.002
<i>Planctomycetes</i>	0.029	0.054	0.093	0.197
<i>Nitrospirae</i>	0.021	0.045	0.036	0.058
<i>Chloroflexi</i>	0.014	0.017	0.241	0.523
<i>Thaumarchaeota</i>	0.008	0.037	0.033	0.774

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³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ ND = not detected.

Relative abundances of major Classes in the rhizosphere soil				
Major taxons (> 99.9%)	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Class				
Alphaproteobacteria ¹	38.726 ³	29.032	53.942	28.048
Betaproteobacteria ²	28.521	37.222	7.246	11.112
Unclassified	15.089	15.558	21.263	31.421
Gammaproteobacteria	8.856	4.186	2.257	3.717
Actinobacteria	4.343	6.391	9.728	14.229
Bacilli	1.260	2.137	0.329	0.674
Sphingobacteriia	0.973	1.054	1.082	2.016
Gemmatimonadetes	0.666	1.605	1.542	2.930
Deltaproteobacteria	0.501	0.829	0.301	0.728
Flavobacteriia	0.217	0.733	0.069	0.151
Sordariomycetes	0.199	0.216	0.033	0.042
Eurotiomycetes	0.119	0.175	0.004	0.004
Acidobacteria	0.097	0.217	0.814	1.934
Solibacteres	0.065	0.127	0.024	0.050
Opitutae	0.052	0.070	0.009	0.017
Cytophagia	0.048	0.066	0.146	0.279
Verrucomicrobiae	0.031	0.039	0.048	0.095

<i>Glomeromycetes</i>	0.025	0.035	0.0003	0.0023
<i>Planctomycetia</i>	0.025	0.049	0.093	0.197
<i>Clostridia</i>	0.022	0.047	0.162	0.340
<i>Nitrospira</i>	0.021	0.045	0.036	0.058
<i>Dothideomycetes</i>	0.018	0.016	0.003	0.005
<i>Spartobacteria</i>	0.016	0.025	0.007	0.025
<i>Saccharomycetes</i>	0.016	0.016	0.001	0.004
<i>Agaricomycetes</i>	0.014	0.018	0.009	0.011

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Relative abundances of major Orders in the rhizosphere soil				
Major taxons	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Order				
<i>Rhizobiales</i> ¹	35.947 ³	25.312	49.737	22.918
<i>Burkholderiales</i> ²	27.566	36.117	6.932	10.405
Unclassified	16.048	17.886	23.690	34.993
<i>Enterobacteriales</i>	6.218	0.931	0.244	0.532
<i>Actinomycetales</i>	4.213	6.117	4.186	6.081
<i>Pseudomonadales</i>	1.310	1.975	0.713	1.108
<i>Xanthomonadales</i>	1.162	1.034	0.799	1.167
<i>Caulobacterales</i>	1.130	1.120	0.232	0.293
<i>Sphingomonadales</i>	1.129	1.885	2.851	3.417
<i>Sphingobacteriales</i>	0.973	1.053	1.082	2.016
<i>Lactobacillales</i>	0.676	1.087	0.052	0.082
<i>Bacillales</i>	0.579	1.043	0.266	0.561
<i>Myxococcales</i>	0.467	0.755	0.109	0.238
<i>Rhodocyclales</i>	0.372	0.278	0.078	0.201
<i>Neisseriales</i>	0.287	0.407	0.034	0.072

<i>Oscillatoriales</i>	0.232	0.072	0.054	0.106
<i>Flavobacteriales</i>	0.217	0.732	0.064	0.142
<i>Rhodospirillales</i>	0.209	0.237	0.195	0.307
<i>Hypocreales</i>	0.173	0.172	0.007	0.002
<i>Eurotiales</i>	0.117	0.171	0.001	0.000
<i>Acidobacteriales</i>	0.097	0.217	0.814	1.934

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³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

Relative abundances of major families in the rhizosphere soil				
Major taxons	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Family				
<i>Bradyrhizobiaceae</i> ¹	32.159 ³	21.000	46.704	20.626
Unclassified	19.197	21.843	29.610	43.468
<i>Burkholderiaceae</i> ²	18.113	25.620	5.659	7.395
<i>Enterobacteriaceae</i>	6.218	0.931	0.244	0.532
<i>Comamonadaceae</i>	5.861	7.852	0.746	2.008
<i>Streptomycetaceae</i>	1.757	2.254	0.712	1.062
<i>Rhizobiaceae</i>	1.623	1.506	0.900	0.832
<i>Phyllobacteriaceae</i>	1.353	1.818	0.810	0.413
<i>Pseudomonadaceae</i>	1.281	1.946	0.595	0.930
<i>Oxalobacteraceae</i>	1.241	0.311	0.176	0.288
<i>Alcaligenaceae</i>	1.217	0.655	0.065	0.112
<i>Xanthomonadaceae</i>	1.161	1.033	0.779	1.132
<i>Caulobacteraceae</i>	1.130	1.120	0.232	0.293
<i>Sphingomonadaceae</i>	1.092	1.834	2.615	3.147
<i>Streptococcaceae</i>	0.672	1.080	0.012	0.031
<i>Bacillaceae</i>	0.534	0.954	0.094	0.207
<i>Rhodocyclaceae</i>	0.372	0.278	0.078	0.201

<i>Micromonosporaceae</i>	0.370	0.475	0.394	0.598
<i>Mycobacteriaceae</i>	0.363	0.481	0.340	0.487
<i>Pseudonocardiaceae</i>	0.313	0.534	0.566	0.878
<i>Methylobacteriaceae</i>	0.311	0.434	0.397	0.314
<i>Chromobacteriaceae</i>	0.281	0.401	0.010	0.027
<i>Nocardioideaceae</i>	0.268	0.439	1.266	1.724
<i>Flavobacteriaceae</i>	0.212	0.729	0.059	0.129
<i>Myxococcaceae</i>	0.178	0.361	0.013	0.013
<i>Rhodospirillaceae</i>	0.175	0.182	0.091	0.123
<i>Polyangiaceae</i>	0.171	0.191	0.023	0.074
<i>Nectriaceae</i>	0.165	0.159	NA ⁴	NA
<i>Nocardiaceae</i>	0.131	0.200	0.566	0.878
<i>Aspergillaceae</i>	0.116	0.168	0.001	0.000
<i>Geodermatophilaceae</i>	0.110	0.239	0.092	0.128

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² Table cells filled with yellow color indicated that the relative abundances of those taxons in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ NA = not announced because it was much less than 0.001.

Relative abundances of major genera in the rhizosphere soil				
Major taxons	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
Genus	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Bradyrhizobium</i> ¹	30.403 ³	19.497	45.276	19.792
Unclassified	23.508	23.042	33.869	50.330
<i>Ralstonia</i> ²	7.420	11.788	4.622	5.750
<i>Cupriavidus</i>	6.250	7.240	0.108	0.147
<i>Burkholderia</i>	3.925	5.870	0.795	1.284
<i>Variovorax</i>	2.629	3.600	0.333	0.578
<i>Enterobacter</i>	2.298	0.729	0.009	0.005
<i>Streptomyces</i>	1.668	2.105	0.683	1.020
<i>Mesorhizobium</i>	1.347	1.808	0.628	0.185
<i>Rhizobium</i>	1.279	0.998	0.442	0.504
<i>Pseudomonas</i>	1.253	1.898	0.594	0.928
<i>Herbaspirillum</i>	1.198	0.251	0.039	0.063
<i>Achromobacter</i>	1.090	0.504	0.016	0.035
<i>Rhodopseudomonas</i>	0.820	0.703	0.413	0.240
<i>Acidovorax</i>	0.779	0.986	0.069	0.192
<i>Niastella</i>	0.695	0.848	0.000	0.001
<i>Caulobacter</i>	0.693	0.376	0.168	0.196
<i>Streptococcus</i>	0.672	1.079	0.011	0.028
<i>Delftia</i>	0.671	1.135	0.013	0.029
<i>Comamonas</i>	0.621	0.162	0.015	0.031
<i>Bacillus</i>	0.523	0.936	0.001	0.005
<i>Stenotrophomonas</i>	0.515	0.397	0.020	0.029

<i>Sphingomonas</i>	0.395	0.761	0.695	0.961
<i>Ramlibacter</i>	0.383	0.841	0.005	0.033
<i>Mycobacterium</i>	0.363	0.480	0.340	0.487
<i>Phenylobacterium</i>	0.362	0.632	0.002	0.006
<i>Methylobacterium</i>	0.310	0.433	0.232	0.182
<i>Novosphingobium</i>	0.300	0.525	0.580	0.482
<i>Pseudogulbenkiania</i>	0.268	0.378	0.005	0.015
<i>Rubrivivax</i>	0.223	0.301	0.007	0.024
<i>Actinoplanes</i>	0.210	0.249	0.067	0.105
<i>Sphingobium</i>	0.201	0.214	0.580	0.482
<i>Amycolatopsis</i>	0.201	0.332	0.158	0.259
<i>Azospira</i>	0.196	0.020	NA ⁴	NA
<i>Oscillatoria</i>	0.189	0.065	0.009	0.018
<i>Alicyclophilus</i>	0.189	0.230	NA	NA
<i>Agrobacterium</i>	0.177	0.321	0.075	0.063
<i>Pseudoxanthomonas</i>	0.171	0.168	0.001	0.003
<i>Xanthomonas</i>	0.170	0.163	0.145	0.194
<i>Chitinophaga</i>	0.165	0.075	0.001	0.003
<i>Fusarium</i>	0.163	0.154	NA	NA
<i>Sorangium</i>	0.157	0.172	0.001	0.003
<i>Methylibium</i>	0.155	0.223	0.000	0.001
<i>Leptothrix</i>	0.149	0.213	0.001	0.001
<i>Azospirillum</i>	0.135	0.122	0.030	0.042
<i>Azoarcus</i>	0.119	0.164	0.015	0.032
<i>Chryseobacterium</i>	0.108	0.081	0.005	0.008
<i>Serratia</i>	0.101	0.015	0.002	0.007

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⁴ NA = not announced because it was much less than 0.001.

Relative abundances of major species in the rhizosphere soil				
Major taxons	Relative abundances (%)			
	Taxonomic assignment based clean reads alignment		assembled by SOAPdenovo2 according to Species abundance	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
Species				
Unclassified	28.608	32.688	46.152	54.143
<i>Bradyrhizobium japonicum</i> ¹	25.647 ³	16.005	2.648	1.017
<i>Ralstonia pickettii</i> ²	4.382	6.891	3.501	4.345
<i>Plautia stali symbiont</i>	3.377	0.022	NA ⁴	NA
<i>Cupriavidus necator</i>	2.654	4.178	0.003	0.002
<i>Variovorax paradoxus</i>	2.598	3.578	0.142	0.236
<i>Cupriavidus taiwanensis</i>	1.592	0.765	0.009	0.012
<i>Bradyrhizobium elkanii</i>	1.379	0.879	30.203	13.741
<i>Herbaspirillum seropedicae</i>	1.193	0.247	NA	NA
<i>Enterobacter cloacae</i>	1.096	0.640	NA	NA
<i>Achromobacter xylosoxidans</i>	1.086	0.499	0.007	0.017
<i>Enterobacter sp. R4-368</i>	1.084	0.034	NA	NA
<i>Ralstonia mannitolilytica</i>	0.991	1.613	0.001	0.001
<i>Rhodopseudomonas palustris</i>	0.819	0.702	0.005	0.001
<i>Cupriavidus pinatubonensis</i>	0.796	0.794	0.000	0.000
<i>Bradyrhizobium sp. S23321</i>	0.726	0.657	0.015	0.008
<i>Niastella koreensis</i>	0.689	0.844	0.000	0.001
<i>Ralstonia solanacearum</i>	0.655	1.069	0.125	0.183
<i>Streptococcus agalactiae</i>	0.624	1.001	0.001	0.001
<i>Gemmatimonadetes bacterium KBS708</i>	0.616	1.493	1.503	2.857
<i>Comamonas testosteroni</i>	0.614	0.155	0.011	0.015
<i>Rhizobium sp. IRBG74</i>	0.597	0.488	NA	NA
<i>Burkholderia sp. CCGE1001</i>	0.525	0.689	NA	NA

<i>Stenotrophomonas maltophilia</i>	0.479	0.361	0.015	0.024
<i>Ramlibacter tataouinensis</i>	0.377	0.828	0.005	0.033
<i>Burkholderia cepacia</i>	0.352	0.453	0.009	0.007
<i>Phenylobacterium zucineum</i>	0.337	0.591	0.002	0.006
<i>Mesorhizobium huakuii</i>	0.319	0.421	NA	NA
<i>Bradyrhizobium sp. BTA1</i>	0.318	0.257	0.016	0.007
<i>Burkholderia cenocepacia</i>	0.309	0.530	0.008	0.014
<i>Bradyrhizobium sp. ORS 278</i>	0.292	0.237	NA	NA
<i>Bacillus megaterium</i>	0.284	0.484	0.001	0.002
<i>Acidovorax sp. KKS102</i>	0.272	0.278	NA	NA
<i>Pseudogulbenkiania sp. NH8B</i>	0.268	0.377	NA	NA
<i>Caulobacter segnis</i>	0.257	0.111	NA	NA
<i>Pseudomonas putida</i>	0.254	0.389	0.019	0.058
<i>Rhizobium etli</i>	0.244	0.212	0.005	0.009
<i>Pseudomonas aeruginosa</i>	0.243	0.598	0.090	0.149
<i>Delftia acidovorans</i>	0.226	0.282	0.012	0.028
<i>Rubrivivax gelatinosus</i>	0.223	0.301	0.000	0.006
<i>Sphingomonas wittichii</i>	0.210	0.464	0.125	0.127
<i>Caulobacter vibrioides</i>	0.206	0.114	0.061	0.066
<i>Delftia sp. Cs1-4</i>	0.201	0.273	NA	NA
<i>Azospira oryzae</i>	0.196	0.020	NA	NA
<i>Alicyclophilus denitrificans</i>	0.189	0.229	NA	NA
<i>Oscillatoria nigro-viridis</i>	0.189	0.065	NA	NA
<i>Burkholderia ambifaria</i>	0.171	0.264	0.002	0.002
<i>Mesorhizobium loti</i>	0.164	0.213	0.062	0.056
<i>Rhizobium leguminosarum</i>	0.158	0.099	0.163	0.179
<i>Sorangium cellulosum</i>	0.157	0.172	0.001	0.003
<i>Methylibium petroleiphilum</i>	0.154	0.222	0.000	0.001
<i>Chitinophaga pinensis</i>	0.148	0.070	0.001	0.003

<i>Leptothrix cholodnii</i>	0.147	0.212	NA	NA
<i>Amycolatopsis mediterranei</i>	0.145	0.221	0.008	0.017
<i>Rhizobium tropici</i>	0.139	0.089	NA	NA
<i>blood disease bacterium R229</i>	0.137	0.216	0.004	0.009
<i>Pseudoxanthomonas suwonensis</i>	0.137	0.134	0.001	0.003
<i>Nectria haematococca</i>	0.134	0.125	NA	NA
<i>Burkholderia sp. CCGE1003</i>	0.129	0.104	0.000	0.001
<i>Acidovorax citrulli</i>	0.128	0.178	NA	NA
<i>Cupriavidus metallidurans</i>	0.128	0.157	0.006	0.004
<i>Mesorhizobium opportunistum</i>	0.115	0.165	0.003	0.003
<i>Streptomyces bingchenggensis</i>	0.112	0.136	0.000	0.001
<i>Mesorhizobium australicum</i>	0.108	0.153		
<i>Novosphingobium aromaticivorans</i>	0.103	0.275	0.005	0.011
<i>Azoarcus sp. KH32C</i>	0.100	0.132	NA	NA
<i>Chryseobacterium sp. StRB126</i>	0.100	0.077	NA	NA

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² Table cells filled with yellow color indicated that the relative abundances of those taxons in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.

³ Those digits with red color indicated that the relative abundance of the taxon in one sample was higher than that of the other sample.

⁴ NA = not announced because it was much less than 0.001.

Table S16. The relative abundances of major N-fixing rhizobacterial genera based on metagenome taxonomic assignment.

Major N-fixing genera	Relative abundances (%)			
	Taxonomic assignment based on clean reads alignment		according to Species abundance assembled by SOAPdenovo2	
	MGZ31DRh	MGZ31J1DRh	MGZ31DRh	MGZ31J1DRh
<i>Aminobacter</i>	0.00032	0.00027	ND ³	ND
Bradyrhizobium ¹	30.40311 ⁴	19.49668	45.27589	19.792224
<i>Devosia</i>	0.00048	0.00068	ND	ND
<i>Mesorhizobium</i>	1.34678	1.80846	0.62784	0.18507
<i>Methylobacterium</i>	0.31011	0.43265	0.23182	0.18205
Ochrobactrum	0.01499	0.00555	0.08803	0.07831
<i>Phyllobacterium</i>	0.00032	0.00068	0.01349	ND
Rhizobium	1.27890	0.99811	0.44236	0.50449
Burkholderia ²	3.92505	5.87022	0.79485	1.28372
<i>Agrobacterium</i>	0.17710	0.32084	0.07515	0.06271
<i>Azorhizobium</i>	0.01282	0.01719	0.00018	0.00180
Ensifer (Sinorhizobium)	0.05796	0.06755	0.12303	0.14765
Cupriavidus	6.25037	7.24047	0.10829	0.14716
<i>Microvirga</i>	0.00040	0.00108	0.16556	0.13158
<i>Shinella</i>	0.00008	0.00014	ND	ND
<i>Achromobacter</i> ⁵	1.08995	0.50399	0.01609	0.03549
<i>Acinetobacter</i>	0.02765	0.02802	0.09187	0.14001
<i>Bacillus</i>	0.52276	0.93611	0.06399	0.14525
<i>Paenibacillus</i>	0.02515	0.04887	0.03711	0.08320
<i>Pseudomonas</i>	1.25311	1.89808	0.59385	0.92770
<i>Stenotrophomonas</i>	0.51478	0.39678	0.01969	0.02895
SUM of main symbiotic N-fixing genera	43.77879	36.26057	47.94649	23.51676
SUM of all N-fixing genera	47.21219	40.07242	48.76909	23.87736

¹ Table cells filled with green color indicated that the relative abundances of those taxa in MGZ31DRh were higher than those in MGZ31J1DRh using two methods.² Table cells filled with yellow color indicated that the relative abundances of those taxa in MGZ31DRh were lower than those in MGZ31J1DRh using two methods.³ ND = Not Detectable.⁴ Digits with bold fonts indicated that the relative abundance of the genus in one sample was obviously more than that of the other sample.⁵ Those associate nitrogen-fixing genera were labeled with gray color.

Table S17. Statistics of KEGG Pathway enrichment analysis of genes between MGZ31DRh-VS-MGZ31J1DRh (SOAP).

#	Pathway	DEGs with pathway annotation (1955)	All genes with pathway annotation (32949)	p-value	Q-value	Pathway ID
1	Cell cycle - Caulobacter	42 (2.15%)	366 (1.11%)	3.55E-05	0.006788776	ko04112
2	Basal transcription factors	4 (0.2%)	7 (0.02%)	0.00037405	0.035721746	ko03022
3	Meiosis - yeast	24 (1.23%)	200 (0.61%)	0.000830155	0.051638684	ko04113
4	Aminoacyl-tRNA biosynthesis	48 (2.46%)	514 (1.56%)	0.001350572	0.051638684	ko00970
5	DNA replication	33 (1.69%)	318 (0.97%)	0.001351798	0.051638684	ko03030
8	Nucleotide excision repair	30 (1.53%)	291 (0.88%)	0.002400009	0.057300215	ko03420
9	Pyrimidine metabolism	65 (3.32%)	777 (2.36%)	0.00347283	0.061099928	ko00240
12	Purine metabolism	95 (4.86%)	1241 (3.77%)	0.006673909	0.106226385	ko00230
13	Fatty acid metabolism	47 (2.4%)	549 (1.67%)	0.007778682	0.11283013	ko00071
15	Legionellosis	14 (0.72%)	116 (0.35%)	0.008861005	0.11283013	ko05134
16	Methane metabolism	46 (2.35%)	546 (1.66%)	0.01100436	0.131364547	ko00680
17	Alanine, aspartate and glutamate metabolism	46 (2.35%)	557 (1.69%)	0.01525446	0.171388345	ko00250
18	ABC transporters	87 (4.45%)	1180 (3.58%)	0.02177061	0.231010362	ko02010
20	Aminobenzoate degradation	36 (1.84%)	430 (1.31%)	0.02426478	0.231728649	ko00627
21	Adipocytokine signaling pathway	12 (0.61%)	109 (0.33%)	0.02824839	0.256925833	ko04920
26	C5-Branched dibasic acid metabolism	13 (0.66%)	131 (0.4%)	0.04768491	0.350300685	ko00660
27	Ribosome biogenesis in eukaryotes	4 (0.2%)	24 (0.07%)	0.05078217	0.350353731	ko03008
28	Nitrogen metabolism	27 (1.38%)	328 (1%)	0.05428962	0.350353731	ko00910

Note 1. DEG means differentially expressed genes.

Table S18. Statistics of KEGG Pathway enrichment of genes with different abundance between MGZ31DRh-VS-MGZ31J1DRh (IDBA-UA).

#	Pathway	DEGs with pathway annotation (5775)	All genes with pathway annotation (39776)	<i>p</i> -value	Q-value	Pathway ID
1	RNA polymerase	74 (1.28%)	293 (0.74%)	8.91E-07	0.000205923	ko03020
2	ABC transporters	170 (2.94%)	861 (2.16%)	1.46E-05	0.001680624	ko02010
3	Bacterial invasion of epithelial cells	23 (0.4%)	70 (0.18%)	8.68E-05	0.00668123	ko05100
4	Pyrimidine metabolism	206 (3.57%)	1121 (2.82%)	0.000179293	0.010354148	ko00240
5	Caprolactam degradation	25 (0.43%)	90 (0.23%)	0.000809603	0.037403659	ko00930
6	Dioxin degradation	9 (0.16%)	21 (0.05%)	0.001590348	0.061228398	ko00621
7	Protein processing in endoplasmic reticulum	17 (0.29%)	58 (0.15%)	0.002842037	0.093787221	ko04141
8	Purine metabolism	325 (5.63%)	1961 (4.93%)	0.004979506	0.128067375	ko00230
9	Legionellosis	47 (0.81%)	223 (0.56%)	0.004989638	0.128067375	ko05134
11	Polycyclic aromatic hydrocarbon degradation	27 (0.47%)	118 (0.3%)	0.009921172	0.208344612	ko00624
15	Ribosome biogenesis in eukaryotes	5 (0.09%)	12 (0.03%)	0.02094695	0.273166254	ko03008
18	Fatty acid metabolism	157 (2.72%)	929 (2.34%)	0.02240152	0.273166254	ko00071
19	Limonene and pinene degradation	63 (1.09%)	339 (0.85%)	0.02246822	0.273166254	ko00903
20	DNA replication	82 (1.42%)	462 (1.16%)	0.03011706	0.33446567	ko03030
22	Sulfur metabolism	42 (0.73%)	219 (0.55%)	0.03450341	0.362285805	ko00920
23	Drug metabolism - cytochrome P450	21 (0.36%)	97 (0.24%)	0.03710553	0.372668584	ko00982
24	Fluorobenzoate degradation	10 (0.17%)	38 (0.1%)	0.04073445	0.383812186	ko00364
26	Nitrogen metabolism	97 (1.68%)	565 (1.42%)	0.04319964	0.383812186	ko00910

Note 1. DEG means differentially expressed genes.

Table S19. Detection of functional genes involved in PGPT plus N₂-metabolism based on data assembled by SOAPdenovo2.

Gene name	ID of KEGG	ID of [denovogenes]	MGZ31DRh (assembled by SOAPdenovo2)		MGZ31J1DRh (assembled by SOAPdenovo2)		Gene length ² (bp)	p-value ³	FDR ⁴
			Hits ¹	Gene Abundance	Hits ¹	Gene Abundance			
<i>ACC deaminase</i>	K01505	_7867	94	0.08382	38	0.03254	1014	0.000162	0.001994
Nitrogen fixation									
<i>nifH</i>	K02588	_11029	63	0.07023	24	0.02676	897	0.000954	0.008244
<i>nifD</i>	K02586	_1953	138	0.09091	60	0.03953	1518	2.55E-05	0.000446
<i>nifK</i>	K02591	_1765	108	0.06936	40	0.02569	1557	7.66E-06	0.000162
<i>nifA</i>	K02584	_914	146	0.08004	57	0.03125	1824	8.16E-07	2.36E-05
<i>nifB</i>	K02585	_1768	150	0.09634	47	0.03019	1557	8.81E-10	4.74E-08
<i>nifE</i>	K02587	_1207	121	0.07101	50	0.02934	1704	2.65E-05	0.000459
<i>nifN</i>	K02592	_2641	97	0.06924	51	0.03640	1401	0.009726	0.046254
<i>nifQ</i>	K15790	_19388	39	0.05462	12	0.01681	714	0.001777	0.013221
<i>NifV</i>	K02594	_4823	91	0.07660	30	0.02525	1188	4.97E-06	0.000113
<i>nodB</i>	K14659	_22892	32	0.04848	8	0.01212	660	0.001193	0.009631
<i>nodC</i>	K14666	_2865	112	0.08151	46	0.03348	1374	4.71E-05	0.000731
<i>fixA</i>	K03521	_12973	43	0.05101	11	0.01305	843	0.000193	0.002334
<i>fixB</i>	K03522	_6039	85	0.07678	34	0.03071	1107	0.000263	0.003017
<i>fixC</i>	K00313	_3403	89	0.06804	38	0.02905	1308	0.000557	0.005421
<i>fixJ</i>	K14987	_24986	40	0.06319	13	0.02053	633	0.002426	0.016724
<i>fixL</i>	K14986	_13945	45	0.05474	18	0.02190	822	0.008425	0.041790

Plant disease suppression									
<i>β-1,3-glucanase</i>	K01210	_20254	39	0.055556	6	0.008547	702	7.72E-06	0.000163
Phosphate solubilization									
<i>GDH</i>	K00117	_993	161	0.08989	46	0.02568	1791	1.04E-11	7.22E-10
Siderophore (iron carrier)									
<i>dhbF</i>	K04780	_3581	16	0.01237	31	0.02398	1293	0.004064	0.024793
Nitrogen metabolism other related genes									
<i>cynT/can</i>	K01673	_2190	40	0.02710	7	0.00474	1476	1.55E-05	0.000292
<i>ncd2/npd</i>	K00459	_7932	70	0.06924	22	0.02176	1011	3.27E-05	0.000541
<i>gltD</i>	K00266	_2278	105	0.07202	41	0.02812	1458	3.00E-05	0.000503
<i>gltB</i>	K00265	_235	217	0.08810	98	0.03979	2463	5.14E-07	1.58E-05
<i>nirK</i>	K00368	_4535	1	0.00083	51	0.04208	1212	5.51E-17	5.91E-15
<i>nirB</i>	K00362	_239	212	0.08618	85	0.03455	2460	7.60E-09	3.53E-07

¹ The number of hits represented the number of mapped reads of single denovogene detected in the sample.

² The gene length (bp) was listed according to those denovogenes assembled by SOAPDENOV02.

³ Table cells were filled with gray color when p-value was less than 0.01 but more than 0.001.

⁴ Table cells were filled with gray color too when FDR was less than 0.1 but more than 0.001.