Supplementary Appendix

Oral microbiota transplant in dogs with naturally occurring periodontitis

Authors

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16S rDNA MiSeq data processing

Sequencing was performed at the Beijing Genome Institute (BGI) Shenzhen, China. The sequence data was de-multiplexed and quality-filtered by the following criteria, 1) reads with 20% of their original length of low quality (Q20) bases were removed; 2) reads contaminated by adapter, defined as 15 bases overlapped by reads and adapter sequence with maximal 3 bases mismatch allowed, were removed; 3) reads with ambiguous bases and its paired reads were removed; 4) reads containing any stretch of low complexity, defined as homopolymers of 10nt, were removed. Subsequently, the adaptor and primer sequences were trimmed from all reads using cutadapt 1.14 (Martin 2011) in Python 3.6.2.

DADA2 workflow

The sequences were processed using the DADA2 pipeline (Callahan et al. 2017), following the official tutorial version 1.6 under the environment of R studio Version 1.1.383; R version 3.4.2

(2017-09-28); Bioconductor version 3.6 (2017-10-31); DADA2 version 1.6. Firstly the quality profiles of all the forward and reverse reads were examined and filtered by the function filterAndTrim using the following parameters, truncLen=c(250,230), maxN=0, maxEE=c(2,2), truncQ=2, rm.phix=TRUE. A parametric error model was then estimated from the amplicon dataset using the learnErrors function at the default settings until the error rates converged. The reads were dereplicated and have core samples inferred by the derepFastq and dada main function at the default settings. The forward and reverse reads were assembled using the mergePairs function, followed by an additional filtering of read size retaining only the merged reads between 401-450 bp. Chimeric sequences were removed using the removeBimeraDenovo function, which were the final output of this pipeline 1,753 ASVs from 86 samples.

Taxonomy Assignment

The native implementation of the naive Bayesian classifier method (Wang et al. 2007) in the DADA2 package was used for taxonomy assignment at the default settings. A curated reference sequence database was used, which comprised the RDP trainset 16 (derived from RDP Release 11.5 that consisted of 3,356,809 aligned and annotated 16S rRNA sequences, updated on 2016-09-30), the eHOMD 16S rRNA RefSeq Version 15.1 (Chen et al. 2010, updated on 2017-11-16) and the full set of canine oral microbiome 16S rRNA gene sequences (Dewhirst et al. 2012, 416 full-length sequences). All these reference sequences were processed and formatted using the Mothur package (Schloss et al. 2009).

Phylogenetic analyses

A Maximum likelihood (ML) tree containing all the aligned ASV sequences was constructed using Fasttree (Price, Dehal, & Arkin, 2010) for calculation of phylogenetic diversity and UniFrac distance.

Principal Response Curve

The effect of microbiome transplantation was further evaluated with the Principal Response Curve (PRC) method using the default parameters (Van den Brink & Braak 1999). It focuses on the differences between the bacterial compositions in the test group compared to that of the control at the corresponding time. Data was logarithm transformed by taking log (count + 1). A clear effect was observed after Baseline in the test communities. This reveals the transfer of bacterial taxa from the donor microbiome into the test ones. For instance, there were boosts in abundances of ASV40 (Chlorobi G-1 sp.), ASV150 (*Neisseria* sp.), and ASV44 (*Bergeyella*

sp.) in the test group after OMT (Appendix-Figure 5 and 6). Meanwhile, some taxa that were absent in the donor healthy microbiome were reduced in the test group, such as ASV63 *Aquaspirillum* sp., ASV243 *Moraxella* sp. and ASV128 Absconditabacteria (SR1) G-2 sp.

Multivariate Statistical analyses

1) Data normalization

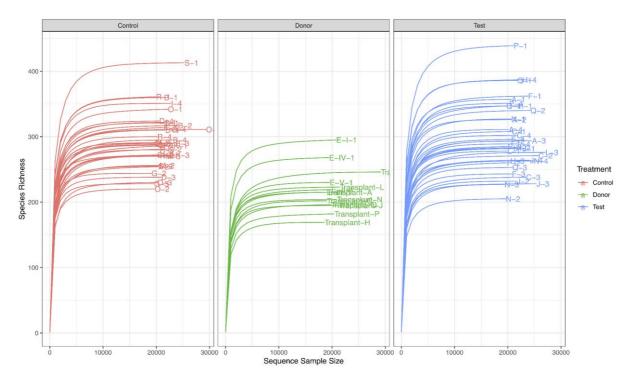
The 16S rRNA gene amplicon sequencing data contains high number of variables, relatively small sample sizes and many zeros entities, known as the large-p small-n problem, such that data normalization is needed for proper ecological and statistical interpretation as evaluated by Weiss and colleagues (2017). Different normalization methods were performed to fit the requirements for each analysis. Data was either normalized by the Sum of Count method, in which proportion in each sample was calculated and then scaling to the size of the smallest samples, or by random rarefying to the smallest sample size. Multivariate test statistics in this study were performed using the R package GenePiper (Tong & Chan 2020) unless elsewise specified.

2) Alpha-diversity analyses

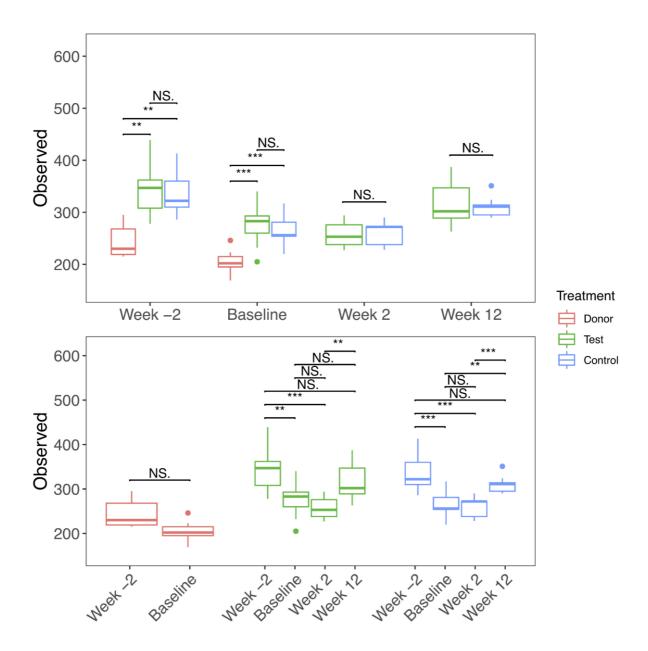
Alpha-diversity measures were calculated using the alpha-diversity module in the R package GenePiper. Shannon's entropy, Simpson diversity indices and their respective effective species numbers were calculated using the default parameters. Rarefaction curves were plotted using the diversity index curve module without normalization. When alpha-diversity measures were compared directly across samples, the dataset was normalized by random rarefying to achieve the same sampling depth. Statistical significance test and the visualization were done using the R package ggsignif.

3) Ordination

Beta-diversities across samples were compared using several distance metrics including both the weighted and unweighted UniFrac, and the Bray-Curtis dissimilarities using GenePiper with normalization by the Sum of Count method. The distance matrices were visualized in Principal Coordinates Analysis (PCoA) ordinations. Permutational Multivariate Analysis of Variance (PERMANOVA) tests were performed to test if the clustering of samples was significant with p-value evaluated at 9999 random permutations.

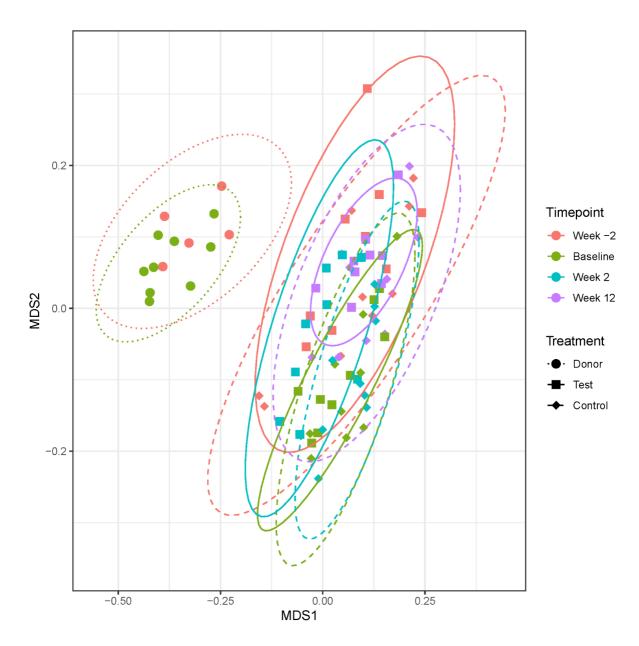


Appendix-Figure 1 Rarefaction curves indicated sufficient sampling effort for the profiling of the oral microbiota in this study. Samples from the healthy oral microbiota donor had significantly lower species richness compared to the control and test group despite having equivalent sampling depth.



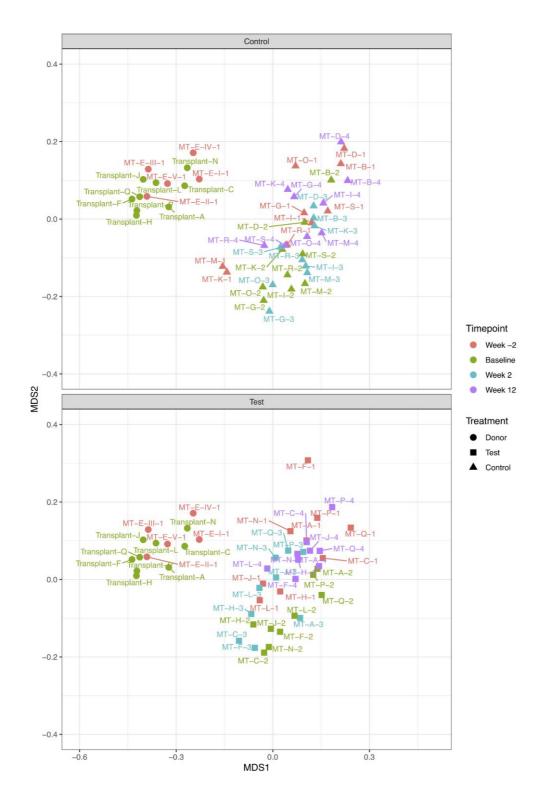
Appendix-Figure 2 Comparison of the observed species richness of the oral microbiota of the Donor, Test and Control groups at the four experimental time-points.

The Observed species richness (Observed, y-axis; reported as the corresponding number of ASVs) in the respective sets of Donor (red coloured), Test (green coloured) and Control (blue coloured) subjects' oral microbiota samples were evaluated at the Week -2, Baseline, Week 2 and Week 12 time-points (indicated on the x-axis). The median, upper and lower quartile values, and $\times 1.5$ interquartile ranges are indicated. The corresponding levels of species richness of the single healthy donor dog oral microbiota samples were evaluated at the Week -2 and Baseline time-points (red-coloured). Statistically significant differences were inferred by the Wilcoxonsigned rank Test at p-value cut-offs: *** indicates p <= 0.001, ** indicates p <= 0.01, * indicates p <= 0.05; NS. indicates no significant difference. The two panels illustrate the results of different statistical comparisons between (upper panel) and within (lower panel) the respective sets of Test, Control and Donor subjects, at the various time-points. This plot complements the data shown in Figure 2.



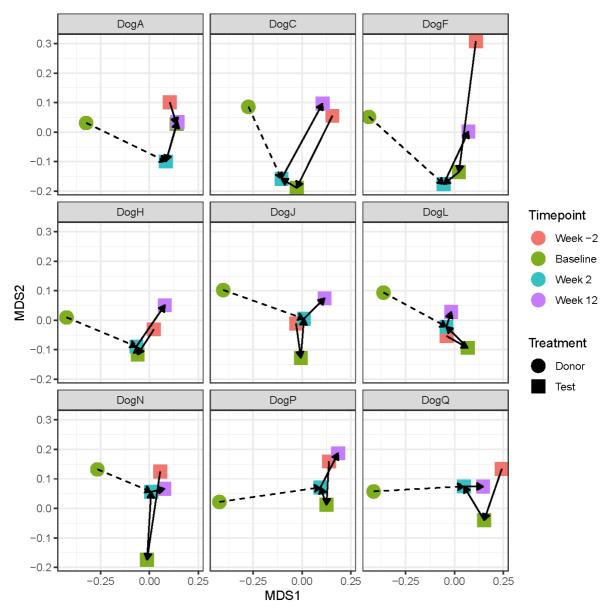
Appendix-Figure 3 Principal Coordinates Analysis (PCoA) ordination of the oral microbiota of all samples analyzed in this study.

The microbiota ASV abundance matrix was transformed to a pair-wise Bray-Curtis dissimilarity matrix, and the relationship among samples were visualized in this PCoA ordination plot. Each point represents an individual sample, and their relative distance in the ordination resembles the differences in their oral microbiota profiles. Periodontally-healthy Donor dog (filled circles); Test dogs (filled squares); Control Dogs (filled rhombuses). Week 2 time-point (red coloured), baseline time-point (green coloured), Week 2 time-point (blue coloured), Week 12 time-point (purple coloured), Ellipses were plotted at a confidence level of 0.95. Dashed ellipses enclose the Control group data-points, solid ellipses encircle the Test group data-points. The healthy oral microbiota donor samples were notably distinct from the control and test groups at all time-points analyzed.



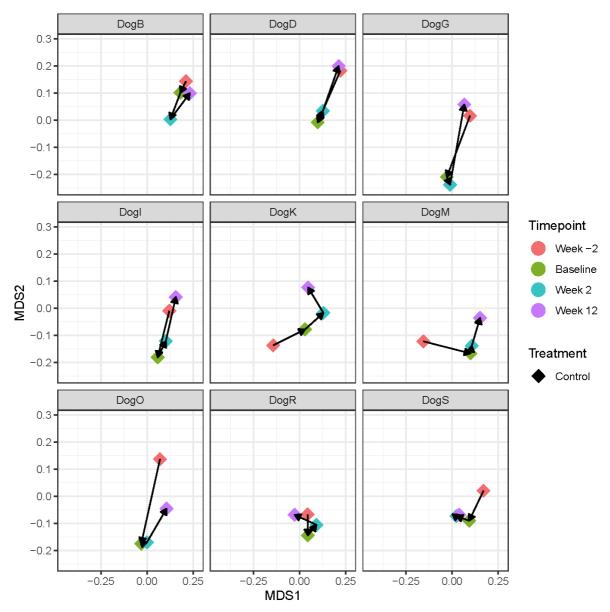
Appendix-Figure 4 PCoA ordinations of the oral microbiota in the Donor, Control and Test groups with all data-points individually labelled

The two PCoA plots above respectively show a subset of the data-points shown in Appendix-Figure 3 above. The upper panel includes all the Donor and Control subjects' data-points at each of the four time-points. The lower panel includes all the Donor and Test subjects' data-points at each time-point. The data-points are identified using the same codes used in Appendix-Tables 2 and 3. The symbol and colour scheme used is analogous to that used in Figure 3 and Appendix-Figure 3, without showing the ellipses to improve visual interpretation.



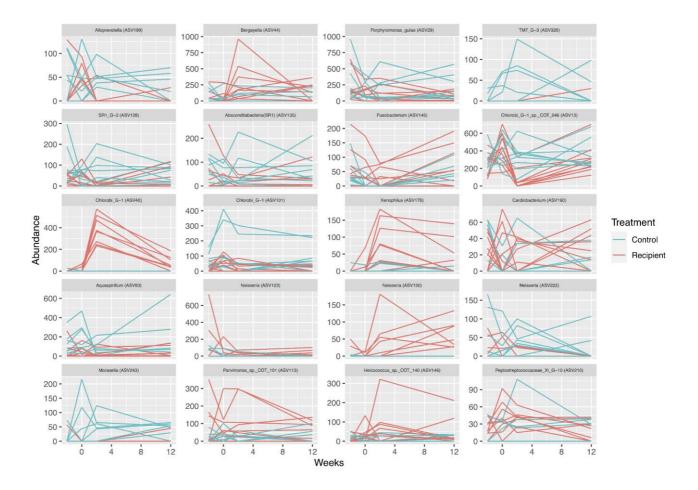
Appendix Figure 5. PCoA plots of Test dogs' oral microbiota before and after OMT transplantation from donor.

The nine respective panels show the PCoA plots of the ASV composition of the oral microbiota within each of the nine Test dogs (Dogs A, C, F, H, J, L, N, P, Q), as well as the corresponding oral microbiome transplant (OMT) they received from the healthy donor dog. MDS1 and MDS2 respectively refer to the two principal axes generated from PCoA analyses. The oral microbiome of the Test dogs was analyzed at four time-points: Week -2, 2 weeks before transplant (red filled squares); Baseline, immediately after oral prophylaxis (plaque removal), prior to receiving the OMT transplant; green squares); Week 2, 2 weeks after receiving OMT transplantation (blue squares); Week 12, 12 weeks after receiving OMT transplantation (purple squares). The respective OMT transplants (filled green circles) are linked to the Test dogs' microbiota at the week 2 time-point via a dashed line. The four respective time-points are linked by arrows, to indicate the 'trajectory' of the oral microbiome composition of the Test dogs during the experimental observation period. A common 'trend' in the respective trajectories may be observed in most of the respective Test dogs' oral microbiota compositions; with the composition of the oral microbiota at the Week 2 time-point generally being the most similar to that of the respective OMT.



Appendix Figure 6. PCoA plots of Control dogs' oral microbiota across the four time-points

The nine respective panels show the PcoA plots of the ASV composition of the oral microbiota within each of the nine Control dogs (Dogs B, D, G, I, K, M, O, R, S). MDS1 and MDS2 respectively refer to the two principal axes generated from PCoA analyses. The oral microbiome of the Control dogs was analyzed at four time-points: Week -2, 2 weeks prior to oral prophylaxis (plaque removal) (filled red rhombuses); Baseline, immediately after oral prophylaxis (green rhombuses); Week 2, 2 weeks after receiving oral prophylaxis (blue rhombuses); Week 12, 12 weeks after receiving oral prophylaxis (purple rhombuses). The four respective time-points are linked by arrows, to indicate the 'trajectory' of the oral microbiome composition of the Control dogs during the experimental observation period. The respective 'trends' in the PCoAs from the Control dogs should be compared and contrasted with those obtained from the Test dogs, shown in the Appendix-Figure 4.



Appendix-Figure 7. Abundance plots of the top 20 PRC scoring species.

The relative abundance of the respective ASV is plotted on the *y*-axis. The four respective sampling time-points (in weeks) are plotted on the *x*-axis.

Appendix-Table 1. Differences in alpha diversity values (as evaluated by median Shannon entropy values) in the Donor, Test and Control subject groups, over the course of the trial, measured at four time-points (Week -2, Baseline, Week 2 and Week 12)

Subject Group	Time-point	25% Percentile	Median	75% Percentile
Donor	Wk -2	4.12	4.35	4.66
Donor	Baseline	3.98	4.16	4.23
Test	Wk -2	4.919	5.053	5.145
Test	Baseline	4.608	4.718	4.83
Test	Wk 2	4.419	4.637	4.708
Test	Wk 12	4.722	4.881	5.022
Control	Wk -2	4.755	4.959	5.056
Control	Baseline	4.622	4.632	4.774
Control	Wk 2	4.654	4.749	4.813
Control	Wk 12	4.759	4.875	4.948

Appendix Table 2. Summary of alpha diversity levels (evaluated by Shannon entropy values) in all microbiota samples collected from all subjects included in the study, at each of the four time-points.

Id	Dog	Time-point	Subject Group	Shannon
		_	_	Entropy
MT-A-1	DogA	Wk -2	Test	5.145
MT-A-2	DogA	Baseline	Test	5.058
MT-A-3	DogA	Wk 2	Test	4.876
MT-A-4	DogA	Wk 12	Test	4.919
MT-B-1	DogB	Wk -2	Control	5.171
MT-B-2	DogB	Baseline	Control	4.864
MT-B-3	DogB	Wk 2	Control	4.848
MT-B-4	DogB	Wk 12	Control	4.72
MT-C-1	DogC	Wk -2	Test	4.839
MT-C-2	DogC	Baseline	Test	4.608
MT-C-3	DogC	Wk 2	Test	4.401
MT-C-4	DogC	Wk 12	Test	4.788
MT-D-1	DogD	Wk -2	Control	4.755
MT-D-2	DogD	Baseline	Control	4.824
MT-D-3	DogD	Wk 2	Control	4.558
MT-D-4	DogD	Wk 12	Control	4.948
MT-E-I-1	DogA,C	Wk -2	Donor	4.851
MT-E-II-1	DogF,H	Wk -2	Donor	4.106
MT-E-III-1	DogJ,L	Wk -2	Donor	4.352
MT-E-IV-1	DogN	Wk -2	Donor	4.662
MT-E-V-1	DogP	Wk -2	Donor	4.123
MT-F-1	DogF	Wk -2	Test	5.053
MT-F-2	DogF	Baseline	Test	4.708
MT-F-3	DogF	Wk 2	Test	4.669
MT-F-4	DogF	Wk 12	Test	4.881
MT-G-1	DogG	Wk -2	Control	4.97

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MT-G-2	DogG	Baseline	Control	4.622
MT-G-3	DogG	Wk 2	Control	4.673
MT-G-4	DogG	Wk 12	Control	4.728
MT-H-1	DogH	Wk -2	Test	5.074
MT-H-2	DogH	Baseline	Test	4.756
MT-H-3	DogH	Wk 2	Test	4.708
MT-H-4	DogH	Wk 12	Test	5.266
MT-I-1	DogI	Wk -2	Control	4.959
MT-I-2	DogI	Baseline	Control	4.603
MT-I-3	DogI	Wk 2	Control	4.813
MT-I-4	DogI	Wk 12	Control	5.181
MT-J-1	DogJ	Wk -2	Test	4.789
MT-J-2	DogJ	Baseline	Test	4.509
MT-J-3	DogJ	Wk 2	Test	4.315
MT-J-4	DogJ	Wk 12	Test	4.531
MT-K-1	DogK	Wk -2	Control	4.66
MT-K-2	DogK	Baseline	Control	4.774
MT-K-3	DogK	Wk 2	Control	4.749
MT-K-4	DogK	Wk 12	Control	4.759
MT-L-1	DogL	Wk -2	Test	4.919
MT-L-2	DogL	Baseline	Test	4.83
MT-L-3	DogL	Wk 2	Test	4.637
MT-L-4	DogL	Wk 12	Test	4.722
MT-M-1	DogM	Wk -2	Control	4.673
MT-M-2	DogM	Baseline	Control	4.632
MT-M-3	DogM	Wk 2	Control	4.654
MT-M-4	DogM	Wk 12	Control	4.964
MT-N-1	DogN	Wk -2	Test	5.042
MT-N-2	DogN	Baseline	Test	4.282
MT-N-3	DogN	Wk 2	Test	4.419
MT-N-4	DogN	Wk 12	Test	4.676
MT-O-1	DogO	Wk -2	Control	4.926
MT-O-2	DogO	Baseline	Control	4.571
MT-O-3	DogO	Wk 2	Control	4.467
MT-O-4	DogO	Wk 12	Control	4.82
MT-P-1	DogP	Wk -2	Test	5.291
MT-P-2	DogP	Baseline	Test	4.718
MT-P-3	DogP	Wk 2	Test	4.792
MT-P-4	DogP	Wk 12	Test	5.022
MT-Q-1	DogQ	Wk -2	Test	5.248
MT-Q-2	DogQ	Baseline	Test	4.986
MT-Q-3	DogQ	Wk 2	Test	4.509
MT-Q-4	DogQ	Wk 12	Test	5.079
MT-R-1	DogR	Wk -2	Control	5.056
MT-R-2	DogR	Baseline	Control	4.752
MT-R-3	DogR	Wk 2	Control	4.767
MT-R-4	DogR	Wk 12	Control	4.875
MT-S-1	DogS	Wk -2	Control	5.214
MT-S-2	DogS	Baseline	Control	4.632
MT-S-3	DogS	Wk 2	Control	4.953
MT-S-4	DogS	Wk 12	Control	4.898
1/11-0-4	Dugo	VI I L	Control	T.070

Transplant-A	DogA	Baseline	Donor	4.359
Transplant-C	DogC	Baseline	Donor	4.21
Transplant-F	DogF	Baseline	Donor	4.359
Transplant-H	DogH	Baseline	Donor	3.89
Transplant-J	DogJ	Baseline	Donor	4.157
Transplant-L	DogL	Baseline	Donor	4.226
Transplant-N	DogN	Baseline	Donor	3.836
Transplant-P	DogP	Baseline	Donor	3.984
Transplant-Q	DogQ	Baseline	Donor	4.162

Appendix-Table 3. Summary of species richness (evaluated by number of observed Amplicon sequence variants, ASVs) in all microbiota samples collected from all subjects included in the study, at each of the four time-points.

Id	Dog	Timepoint	Treatment	Observed
MT-A-1	DogA	Wk -2	Test	357
MT-A-2	DogA	Baseline	Test	326
MT-A-3	DogA	Wk 2	Test	294
MT-A-4	DogA	Wk 12	Test	311
MT-B-1	DogB	Wk -2	Control	360
MT-B-2	DogB	Baseline	Control	317
MT-B-3	DogB	Wk 2	Control	290
MT-B-4	DogB	Wk 12	Control	295
MT-C-1	DogC	Wk -2	Test	308
MT-C-2	DogC	Baseline	Test	271
MT-C-3	DogC	Wk 2	Test	238
MT-C-4	DogC	Wk 12	Test	302
MT-D-1	DogD	Wk -2	Control	310
MT-D-2	DogD	Baseline	Control	288
MT-D-3	DogD	Wk 2	Control	238
MT-D-4	DogD	Wk 12	Control	324
MT-E-I-1	DogA,C	Wk -2	Donor	295
MT-E-II-1	DogF,H	Wk -2	Donor	219
MT-E-III-1	DogJ,L	Wk -2	Donor	215
MT-E-IV-1	DogN	Wk -2	Donor	268
MT-E-V-1	DogP,Q	Wk -2	Donor	230
MT-F-1	DogF	Wk -2	Test	362
MT-F-2	DogF	Baseline	Test	260
MT-F-3	DogF	Wk 2	Test	243
MT-F-4	DogF	Wk 12	Test	296
MT-G-1	DogG	Wk -2	Control	321
MT-G-2	DogG	Baseline	Control	244
MT-G-3	DogG	Wk 2	Control	228
MT-G-4	DogG	Wk 12	Control	311
MT-H-1	DogH	Wk -2	Test	347
MT-H-2	DogH	Baseline	Test	283
MT-H-3	DogH	Wk 2	Test	263
MT-H-4	DogH	Wk 12	Test	387
MT-I-1	DogI	Wk -2	Control	322
MT-I-2	DogI	Baseline	Control	254

MT-I-3	DogI	Wk 2	Control	272
MT-I-4	DogI DogI	Wk 2 Wk 12	Control	351
MT-J-1	DogJ	Wk -2	Test	282
MT-J-2	DogJ	Baseline	Test	232
MT-J-3	DogJ	Wk 2	Test	228
MT-J-4	DogJ	Wk 2 Wk 12	Test	264
MT-K-1	DogK	Wk -2	Control	286
MT-K-2	DogK	Baseline	Control	281
MT-K-3	DogK	Wk 2	Control	272
MT-K-4	DogK	Wk 12	Control	314
MT-L-1	DogL	Wk -2	Test	278
MT-L-2	DogL	Baseline	Test	283
MT-L-3	DogL	Wk 2	Test	276
MT-L-4	DogL	Wk 12	Test	289
MT-M-1	DogM	Wk -2	Control	287
MT-M-2	DogM	Baseline	Control	256
MT-M-3	DogM	Wk 2	Control	270
MT-M-4	DogM	Wk 12	Control	291
MT-N-1	DogN	Wk -2	Test	327
MT-N-2	DogN	Baseline	Test	205
MT-N-3	DogN	Wk 2	Test	227
MT-N-4	DogN	Wk 12	Test	263
MT-O-1	DogO	Wk -2	Control	342
MT-O-2	DogO	Baseline	Control	220
MT-O-3	DogO	Wk 2	Control	230
MT-O-4	DogO	Wk 12	Control	311
MT-P-1	DogP	Wk -2	Test	439
MT-P-2	DogP	Baseline	Test	293
MT-P-3	DogP	Wk 2	Test	285
MT-P-4	DogP	Wk 12	Test	351
MT-Q-1	DogQ	Wk -2	Test	386
MT-Q-2	DogQ	Baseline	Test	340
MT-Q-3	DogQ	Wk 2	Test	253
MT-Q-4	DogQ	Wk 12	Test	347
MT-R-1	DogR	Wk -2	Control	361
MT-R-2	DogR	Baseline	Control	271
MT-R-3	DogR	Wk 2	Control	280
MT-R-4	DogR	Wk 12	Control	300
MT-S-1	DogS	Wk -2	Control	413
MT-S-2	DogS	Baseline	Control	255
MT-S-3	DogS	Wk 2	Control	272
MT-S-4	DogS	Wk 12	Control	290
Transplant-A	DogA	Baseline	Donor	215
Transplant-C	DogC	Baseline	Donor	202
Transplant-F	DogF	Baseline	Donor	246
Transplant-H	DogH	Baseline	Donor	169
Transplant-J	DogJ	Baseline	Donor	195
Transplant-L	DogL	Baseline	Donor	223
Transplant-N	DogN	Baseline	Donor	204
Transplant-P	DogP	Baseline	Donor	182
Transplant-Q	DogQ	Baseline	Donor	196

Appendix-Table 4. PERMANOVA statistics testing for the differences between microbiome samples based on the Bray-Curtis dissimilarities measure. Pairwise comparison of samples grouped by time-point (week -2, baseline, week 2, week 12) and treatment category (Test Control, Donor) were assessed in PERMANOVA test (permutations = 9999). F.Model: PERMANOVA test statistics termed as pseudo F-ratio which is analogous to Fisher's F-ratio. R²: coefficient of determination, which refers to the proportion of sum of squares from the total. p.adjusted: p-value is adjusted for multiple comparisons by controlling for the false discovery rate using the Benjamini and Hochberg procedure. Only the pairs with p.adjusted <0.05 are listed in this table.

pairs			F.Model	\mathbb{R}^2	p.value	p.adjusted
Test_WK-2	VS	Test_BASELINE	2.0138	0.1118	0.0089	0.0138
Test_WK-2	VS	Test_WK2	3.1900	0.1662	0.0002	0.0008
Test_WK-2	vs	Control_BASELINE	2.8487	0.1511	0.0003	0.0009
Test_WK-2	VS	Control_WK2	2.9587	0.1561	0.0001	0.0008
Test_WK-2	VS	Control_WK12	1.8437	0.1033	0.0033	0.0055
Test_WK-2	VS	Donor_WK-2	5.2870	0.3058	0.0005	0.0011
Test_WK-2	VS	Donor BASELINE	9.3923	0.3699	0.0002	0.0008
Test_BASELINE	VS	Test_WK12	1.9755	0.1099	0.003	0.0052
Test BASELINE	VS	Control_WK12	2.0596	0.1140	0.0018	0.0034
Test BASELINE	VS	Donor_WK-2	6.3931	0.3476	0.0004	0.0009
Test_BASELINE	VS	Donor_BASELINE	9.3719	0.3694	0.0002	0.0008
Test_WK2	VS	Test_WK12	2.1914	0.1205	0.0021	0.0038
Test_WK2	VS	Control_WK-2	2.6012	0.1398	0.0004	0.0009
Test_WK2	VS	Control_BASELINE	1.7444	0.0983	0.0139	0.0209
Test_WK2	VS	Control_WK2	1.8026	0.1013	0.0082	0.0132
Test_WK2	VS	Control_WK12	2.6738	0.1432	0.0002	0.0008
Test_WK2	VS	Donor_WK-2	5.2537	0.3045	0.0012	0.0023
Test_WK2	VS	Donor_BASELINE	7.8518	0.3292	0.0001	0.0008
Test_WK12	VS	Control_BASELINE	2.4266	0.1317	0.0004	0.0009
Test_WK12	VS	Control_WK2	2.1390	0.1179	0.0003	0.0009
Test_WK12	VS	Donor_WK-2	6.4607	0.3500	0.0004	0.0009
Test_WK12	VS	Donor_BASELINE	10.3176	0.3920	0.0001	0.0008
Control_WK-2	VS	Donor_WK-2	5.1355	0.2997	0.0003	0.0009
Control_WK-2	VS	Donor_BASELINE	8.5923	0.3494	0.0001	0.0008
Control_BASELINE	VS	Control_WK12	1.8095	0.1016	0.0186	0.0270
Control_BASELINE	VS	Donor_WK-2	6.6453	0.3564	0.0006	0.0012
Control_BASELINE	VS	Donor_BASELINE	9.6813	0.3770	0.0001	0.0008
Control_WK2	VS	Donor_WK-2	7.2772	0.3775	0.0004	0.0009
Control_WK2	VS	Donor_BASELINE	10.6549	0.3997	0.0002	0.0008
Control_WK12	VS	Donor_WK-2	6.7741	0.3608	0.0004	0.0009
Control_WK12	VS	Donor_BASELINE	10.5226	0.3967	0.0002	0.0008

Appendix-Table 5. Taxonomy of all ASVs identified in the study

	Kingdo						
OTU	m	Phylum	Class	Order	Family	Genus	Species
ASV953	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1415	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV706	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV389	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV339	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV420	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV520	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV1383	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV976	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV310	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV331	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV490	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV509	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV590	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV812	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV1035	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV865	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1006	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV943	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1283	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1727	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV874	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1518	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1549	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia

ASV1607	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV434	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV967	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV28	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia_spCOT_04
ASV1591	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV1666	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV202	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV1000	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV288	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV453	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV275	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV1346	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV633	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV665	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidia	Bacteroidia
ASV1557	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1017	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides_plebeius
ASV1692	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1359	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides_coprocola
ASV686	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1233	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1650	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides_vulgatus
ASV1381	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1651	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1472	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides_helcogenes
ASV1377	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1546	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1271	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV882	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides

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ASV730	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1460	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1635	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV912	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroides	Bacteroides
ASV1608	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidaceae	Bacteroidaceae	Bacteroidaceae
ASV1565	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV858	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV1103	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV1454	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1589	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1439	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1199	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1127	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV972	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV549	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1054	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1185	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1188	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV306	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_spCO T_366
ASV932	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV182	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV287	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV385	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV290	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV870	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1136	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV472	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
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ASV579	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1132	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV400	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_spCO T_281
ASV450	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1159	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV26	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV724	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1669	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1670	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1581	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1351	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1628	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1532	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1304	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV738	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV613	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV975	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV840	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV100	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_spCO T_290
ASV291	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV71	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV235	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV259	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV183	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV241	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV286	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV341	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas

ASV245	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Proteiniphilum	Proteiniphilum_spCOT 385
ASV1674	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Proteiniphilum	Proteiniphilum
ASV1570	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Proteiniphilum	Proteiniphilum
ASV833	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Petrimonas	Petrimonas
ASV598	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Proteiniphilum	Proteiniphilum
ASV374	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-1	Odoribacter	Odoribacter
ASV732	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-1	Odoribacter	Odoribacter
ASV607	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-1	Odoribacter	Odoribacter_denticanis
ASV596	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-1	Odoribacter	Odoribacter
ASV620	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-1	Odoribacter	Odoribacter
ASV333	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	Paludibacter_spCOT_3 84
ASV1376	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	Paludibacter
ASV1723	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	Paludibacter
ASV238	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	Paludibacter
ASV951	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales_[F-2]	Bacteroidales_[G-2]	Bacteroidales_[G-2]
ASV266	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae_G-1	Porphyromonadaceae_G- 1_spCOT_184
ASV422	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae_G-1	Porphyromonadaceae_G-1
ASV1244	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae_G-1	Porphyromonadaceae_G-1
ASV264	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	Paludibacter
ASV531	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Paludibacter	Paludibacter
ASV1739	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1740	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV75	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV316	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1232	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas

ASV237	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV58	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae Porphyromonadaceae	Tannerella	Tannerella
ASV468	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Tannerella	Tannerella
ASV534	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Tannerella	Tannerella
ASV530	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Tannerella	Tannerella
ASV169	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Parabacteroides	Parabacteroides
ASV1527	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Parabacteroides	Parabacteroides
ASV148	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_macacae
ASV399	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_macacae
ASV18	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV693	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV11	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_canis
ASV324	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV622	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV847	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV77	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV200	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV947	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1204	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV332	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV654	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV4	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV876	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV591	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1129	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV465	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1062	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas

ASV6	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_cangingi valis
ASV1668	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1588	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1647	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1299	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV1405	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1582	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV302	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1431	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV528	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV41	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_canoris
ASV632	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV841	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV788	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV5	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV866	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1620	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1716	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1691	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales	Bacteroidales	Bacteroidales
ASV835	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1106	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV702	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella_intermedia
ASV295	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella_intermedia
ASV1268	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1334	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV498	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV582	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella_intermedia

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ASV1068	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1438	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV377	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella_spHMT_304
ASV968	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV852	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV137	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV488	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV741	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV653	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV136	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella_spCOT_195
ASV551	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1732	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1314	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1419	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV561	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1285	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1029	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV990	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV480	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV744	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV868	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1139	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV992	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV993	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1298	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1173	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV680	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1537	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV300	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella

ASV1115	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV198	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1085	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV934	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1168	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1331	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV489	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV903	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV391	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotellaceae	Prevotellaceae
ASV909	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV571	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV803	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1733	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella_xylaniphil a
ASV271	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella_spCOT_372
ASV545	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV621	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV129	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Prevotella	Prevotella
ASV1018	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV1735	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Paraprevotella	Paraprevotella
ASV723	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV944	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV90	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV671	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV98	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1087	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV722	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV372	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1337	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella

ASV623	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV88	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV312	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1291	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1448	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1643	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV337	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1015	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV297	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV756	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1398	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1053	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV59	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV769	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV871	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV535	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV751	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1170	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV580	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV415	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV592	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV282	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV199	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV45	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV73	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV172	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV459	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV886	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1321	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes

ASV820	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Barnesiella	Barnesiella
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1410	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	7]	Bacteroidetes_[G-7]
							Bacteroidia_G-
ASV152	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-2	Bacteroidia_G-2	2_spCOT_301
ASV188	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales	Bacteroidales	Bacteroidales
ASV611	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
						Porphyromonadac	
ASV1037	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	eae	Porphyromonadaceae
ASV363	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV808	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
						Porphyromonadac	
ASV1562	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	eae	Porphyromonadaceae
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1722	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	3]	Bacteroidetes_[G-3]
ASV1119	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-2	Bacteroidia_F-3	Bacteroidia_G-3	Bacteroidia_G-3
ASV1164	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-2	Bacteroidia_F-3	Bacteroidia_G-3	Bacteroidia_G-3
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1409	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	3]	Bacteroidetes_[G-3]
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1681	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	3]	Bacteroidetes_[G-3]
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1633	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	3]	Bacteroidetes_[G-3]
							Bacteroidia_G-
ASV106	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-2	Bacteroidia_F-4	Bacteroidia_G-4	4_spCOT_387
ASV526	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-2	Bacteroidia_F-4	Bacteroidia_G-4	Bacteroidia_G-4
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1392	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	3]	Bacteroidetes_[G-3]
ASV981	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia	Bacteroidia	Bacteroidia	Bacteroidia
			Bacteroidetes	Bacteroidetes_[O-		Bacteroidetes_[G-	
ASV1641	Bacteria	Bacteroidetes	_[C-1]	1]	Bacteroidetes_[F-1]	3]	Bacteroidetes_[G-3]
ASV1528	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales	Bacteroidales	Bacteroidales

			Flavobacterii				
ASV1575	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
ASV66	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-2	Bacteroidia_F-5	Bacteroidia_G-5	Bacteroidia_G-5
						Porphyromonadac	
ASV1658	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	eae	Porphyromonadaceae
ASV1704	Bacteria	Gracilibacteria (GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
						Porphyromonadac	
ASV1506	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	eae	Porphyromonadaceae
ASV1034	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV1101	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV1399	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV461	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV1067	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV778	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV1147	Bacteria	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes	Bacteroidetes
ASV1158	Bacteria	Bacteroidetes	Sphingobacte riia	Sphingobacteriale s	Chitinophagaceae	Sediminibacteriu m	Sediminibacterium_salm oneum
ASV14	Bacteria	Bacteroidetes	Flavobacterii a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella_zoohelcum
ASV56	Bacteria	Bacteroidetes	Flavobacterii a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
ASV1045	Bacteria	Bacteroidetes	Flavobacterii a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
			Flavobacterii				
ASV44	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
ASV1093	Bacteria	Bacteroidetes	Flavobacterii a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
			Flavobacterii				
ASV1325	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Cloacibacterium	Cloacibacterium
ASV464	Bacteria	Bacteroidetes	Flavobacterii a	Flavobacteriales	Flavobacteriaceae	Cloacibacterium	Cloacibacterium

			Flavobacterii				Cloacibacterium_spCO
ASV353	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Cloacibacterium	T_320
			Flavobacterii				
ASV1352	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Cloacibacterium	Cloacibacterium
			Flavobacterii				
ASV1412	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
			Flavobacterii				
ASV1473	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
			Flavobacterii				
ASV1600	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
			Flavobacterii				
ASV1601	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
ASV1712	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacteriaceae	Fusobacteriaceae
			Flavobacterii				
ASV1573	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
			Flavobacterii				
ASV985	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
			Flavobacterii				
ASV1363	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV895	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
			Flavobacterii				
ASV1080	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV1645	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV501	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				Capnocytophaga_spCO
ASV825	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	T_329
			Flavobacterii				
ASV1300	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV717	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella

			Flavobacterii				
ASV1109	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Bergeyella	Bergeyella
			Flavobacterii				Capnocytophaga_spCO
ASV27	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	T_339
			Flavobacterii				
ASV427	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
			Flavobacterii				
ASV726	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
			Flavobacterii				
ASV1480	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV746	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii			1 , , ,	
ASV493	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				Capnocytophaga_canimo
ASV962	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	rsus
			Flavobacterii				Capnocytophaga_canimo
ASV219	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	rsus
			Flavobacterii				
ASV773	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				Capnocytophaga_canimo
ASV779	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	rsus
			Flavobacterii				
ASV892	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV647	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV119	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV356	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				Capnocytophaga_cynode
ASV278	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	gmi
			Flavobacterii			. , , , ,	
ASV644	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga

			Flavobacterii				
ASV1524	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV898	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV1153	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				Capnocytophaga_cynode
ASV232	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	gmi
A GX 10.55			Flavobacterii	T71 1 1 1			Capnocytophaga_cynode
ASV257	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	gmi
ASV937	Bacteria	Bacteroidetes	Flavobacterii	Flavobacteriales	Flavobacteriaceae	Connectonhage	Capnocytophaga
A3 V 93 /	Bacteria	Bacterolucies	a Flavobacterii	Flavouacterrales	Fiavobacteriaceae	Capnocytophaga	Caphocytophaga
ASV504	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
715 V 304	Bacteria	Bacterolactes	Flavobacterii	1 ia vobacteriares	Tidvobacteriaceae	Caphocytophaga	Сарпосуторнада
ASV513	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV94	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV433	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV698	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
			Flavobacterii				
ASV764	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Capnocytophaga	Capnocytophaga
ASV1731	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV1583	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
ASV1686	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Prevotellaceae	Alloprevotella	Alloprevotella
						Porphyromonadac	•
ASV1745	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	eae	Porphyromonadaceae
ASV1747	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
						Porphyromonadac	• •
ASV1677	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	eae	Porphyromonadaceae
ASV1755	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Bacteroidales	Bacteroidales	Bacteroidales

ASV1422	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1726	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Catonella	Catonella
ASV1696	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV1629	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-1	Clostridiales_F-2,G-1
ASV1753	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV1717	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1719	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1718	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1579	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonadac eae	Porphyromonadaceae
ASV1580	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1447	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1365	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1605	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1656	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1218	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV578	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV791	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_gulae
ASV29	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_gulae
ASV61	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV12	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV91	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_gulae
ASV114	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV195	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_gulae
ASV1625	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV141	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas_gulae
ASV7	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas

ASV8	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV23	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV112	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV120	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV1664	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidales	Porphyromonadaceae	Porphyromonas	Porphyromonas
ASV125	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV559	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV338	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV683	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV212	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV1134	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV776	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV355	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV714	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV320	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV102	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV265	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV285	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
ASV436	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3

A GX 11 0.1.1		Saccharibacter	TD 17 C 1	TD 47 0 1	ED 45 E 4	T) 47 G G	TD 47 . C . C
ASV1011	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
A GY 1 6 5 0		Saccharibacter	TD 47 G 1	FD 47 0 1	T) (7 F 1	TD 17 C 2	T) 47 G 2
ASV652	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV1022	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV1181	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV1487	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV178	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV1156	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV336	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV587	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV507	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV444	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV1551	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-3	TM7_G-3
		Saccharibacter					
ASV376	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV737	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV1042	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV1353	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV1542	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2

		Saccharibacter					
ASV407	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV731	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_F-1	TM7_F-1
		Saccharibacter	Saccharibact	Saccharibacteria(Saccharibacteria(
ASV1367	Bacteria	ia(TM7)	eria(TM7)	TM7)	Saccharibacteria(TM7)	TM7)	Saccharibacteria(TM7)
		Saccharibacter					
ASV294	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV173	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV514	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV460	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV409	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV52	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV573	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-2	TM7_G-2
		Saccharibacter					
ASV1713	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV1724	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter		FD 45 0 4	TT) (T. Y. (m 15 G 1	
ASV1725	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter		FD 45 0 4	TT) (T. Y. (m 15 G 1	
ASV426	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
A GX 10.50		Saccharibacter	FD 47 G 1	TD 47 0 1	T) (7 F 1	TD 17 C 1	T 17 C 1
ASV853	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
1 GY 11 1 0 F		Saccharibacter	FD 47 G 1	TD 47 0 1	T) (7 F 1	TD 17 C 1	T 17 C 1
ASV1187	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
A GX / Q 1 1	, .	Saccharibacter	TD 47 C 1	TD 47 0 1	T) (7 E 1	TD 47 . C. 1	TD 47. C. 1
ASV211	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1

4 GY 100 C		Saccharibacter	TD 45 C 1	TD 47 0 1	TD 47 F 4	T) 47 C 1	TD 17 C 1
ASV296	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
ASV1079	Bacteria	Saccharibacter ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV201	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV763	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV419	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV1148	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV67	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV965	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV774	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV510	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV260	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV572	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV988	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV1261	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV605	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV829	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV880	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1

		Saccharibacter					
ASV253	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Saccharibacter					
ASV1322	Bacteria	ia(TM7)	TM7_C-1	TM7_O-1	TM7_F-1	TM7_G-1	TM7_G-1
		Absconditabac					
ASV263	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV708	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV745	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV318	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV478	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV780	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV441	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV381	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1171	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV349	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV351	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV147	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1308	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1205	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1047	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1

		Absconditabac					
ASV96	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV10	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV612	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV280	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV928	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV128	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-2	SR1_G-2
		Absconditabac	Absconditab	Absconditabacteri	Absconditabacteria(SR	Absconditabacteri	
ASV392	Bacteria	teria(SR1)	acteria(SR1)	a(SR1)	1)	a(SR1)	Absconditabacteria(SR1)
		Absconditabac	Absconditab	Absconditabacteri	Absconditabacteria(SR	Absconditabacteri	
ASV1065	Bacteria	teria(SR1)	acteria(SR1)	a(SR1)	1)	a(SR1)	Absconditabacteria(SR1)
		Absconditabac					
ASV1754	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1239	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1578	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1622	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1440	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1421	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1563	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac					
ASV1263	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Absconditabac	Absconditab	Absconditabacteri	Absconditabacteria(SR	Absconditabacteri	
ASV135	Bacteria	teria(SR1)	acteria(SR1)	a(SR1)	1)	a(SR1)	Absconditabacteria(SR1)

		Absconditabac					
ASV1730	Bacteria	teria(SR1)	SR1_C-1	SR1_O-1	SR1_F-1	SR1_G-1	SR1_G-1
		Cyanobacteria/					
ASV1538	Bacteria	Chloroplast	Chloroplast	Chloroplast	Streptophyta	Streptophyta	Streptophyta
ASV78	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV826	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV1267	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV273	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV307	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV325	Bacteria	Gracilibacteria (GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
715 V 323	Bacteria	Gracilibacteria	G1\02_C-1	G1102_O-1	G1102_1 -1	G1102_G-1	G1102_G-1
ASV673	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria		_	_		
ASV1172	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria					
ASV491	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
ASV984	Bacteria	Gracilibacteria (GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria					
ASV458	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria					
ASV734	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
A CV/1176	Doctorio	Gracilibacteria (GN02)	CN02 C 1	CN02 O 1	CNO2 E 1	CN02 C 1	CN02 C 1
ASV1176	Bacteria	Gracilibacteria	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
ASV864	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria	_		_		
ASV268	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria					
ASV395	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
A GY 1555		Gracilibacteria	GN02 G 1	CNIO2 C 1	CNIO2 E 1	CNOC C 1	GN02 G 1
ASV577	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1

		Gracilibacteria					
ASV1700	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria					
ASV952	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-1	GN02_G-1
		Gracilibacteria	G. V.O.G. G. 4	GYV02 G 4	GIVOR T. (GIVE G	
ASV1541	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
ASV378	Doctorio	Gracilibacteria (GN02)	CN02 C 1	CN02 O 1	CN02 E 1	CNO2 C 2	CN02 C 2
ASVS/8	Bacteria	Gracilibacteria	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
ASV1457	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
		Gracilibacteria	_	_	_	_	_
ASV383	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
		Gracilibacteria					
ASV108	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
A GYZZOO	.	Gracilibacteria	GNO2 G 1	CNIO2 O 1	CNO2 F 1	CNO2 C 2	GN02 G 2
ASV783	Bacteria	(GN02) Gracilibacteria	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
ASV1467	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
110 11107	Bucteria	Gracilibacteria	G1102_C 1	G1102_O 1	G1102_1 1	G1102_G 2	G1102_G 2
ASV208	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
		Gracilibacteria		_	_	_	
ASV74	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
		Gracilibacteria					
ASV1174	Bacteria	(GN02)	GN02_C-1	GN02_O-1	GN02_F-1	GN02_G-2	GN02_G-2
ASV1250	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1326	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV508	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma_edwardii
ASV167	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma_canis
ASV1372	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV948	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1222	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma_lipophilum
ASV398	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV345	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma_maculosum

ASV1374	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV602	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma_molare
ASV817	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1688	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV690	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma_spumans
ASV1393	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV939	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1576	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1485	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV827	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV888	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1425	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV781	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1465	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1564	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1288	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1184	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV1191	Bacteria	Firmicutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Mycoplasma	Mycoplasma
ASV899	Bacteria	Proteobacteria	Epsilonprote obacteria	Campylobacterale s	Campylobacterales	Campylobacterale s	Campylobacterales
ASV1094	Bacteria	Proteobacteria	Epsilonprote obacteria	Campylobacterale s	Hydrogenimonaceae	Hydrogenimonas	Hydrogenimonas
ASV900	Bacteria	Proteobacteria	Epsilonprote obacteria	Campylobacterale s	Campylobacterales	Campylobacterale s	Campylobacterales
ASV1685	Bacteria	Proteobacteria	Epsilonprote obacteria	Campylobacterale s	Hydrogenimonaceae	Hydrogenimonas	Hydrogenimonas
ASV1729	Bacteria	Proteobacteria	Epsilonprote obacteria	Campylobacterale s	Campylobacterales	Campylobacterale s	Campylobacterales
ASV503	Bacteria	Proteobacteria	Epsilonprote obacteria	Campylobacterale s	Campylobacterales	Campylobacterale s	Campylobacterales

			Epsilonprote	Campylobacterale		Campylobacterale	
ASV777	Bacteria	Proteobacteria	obacteria	S	Campylobacterales	S	Campylobacterales
			Epsilonprote	Campylobacterale		Campylobacterale	
ASV719	Bacteria	Proteobacteria	obacteria	S	Campylobacterales	S	Campylobacterales
			Epsilonprote	Campylobacterale		Campylobacterale	
ASV1450	Bacteria	Proteobacteria	obacteria	S	Campylobacterales	S	Campylobacterales
			Epsilonprote	Campylobacterale			
ASV994	Bacteria	Proteobacteria	obacteria	S	Helicobacteraceae	Helicobacteraceae	Helicobacteraceae
			Epsilonprote	Campylobacterale			
ASV57	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	Arcobacter
			Epsilonprote	Campylobacterale			Arcobacter_spCOT_27
ASV65	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	6
			Epsilonprote	Campylobacterale			
ASV256	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	Arcobacter
			Epsilonprote	Campylobacterale			
ASV1553	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	Arcobacter
			Epsilonprote	Campylobacterale			
ASV1603	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	Arcobacter
			Epsilonprote	Campylobacterale			
ASV1657	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	Arcobacter
			Epsilonprote	Campylobacterale			
ASV1698	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Arcobacter	Arcobacter
			Epsilonprote	Campylobacterale			
ASV1228	Bacteria	Proteobacteria	obacteria	S	Helicobacteraceae	Wolinella	Wolinella
			Epsilonprote	Campylobacterale			
ASV1245	Bacteria	Proteobacteria	obacteria	S	Helicobacteraceae	Wolinella	Wolinella
			Epsilonprote	Campylobacterale			
ASV49	Bacteria	Proteobacteria	obacteria	S	Helicobacteraceae	Wolinella	Wolinella
			Epsilonprote	Campylobacterale			
ASV1343	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			
ASV1618	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			
ASV986	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter

			Epsilonprote	Campylobacterale			
ASV1198	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			
ASV1519	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			Campylobacter_mucosali
ASV575	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	S
			Epsilonprote	Campylobacterale			
ASV760	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			
ASV989	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			
ASV387	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale			
ASV628	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale	a		
ASV553	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
			Epsilonprote	Campylobacterale	a		
ASV267	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
A GX 1001	D .	D . 1	Epsilonprote	Campylobacterale	G 1.1		
ASV231	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
A CIVIO	D .	D . 1	Epsilonprote	Campylobacterale	G 1.1		
ASV9	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
A GX1225	Dostania	Dueta also etanie	Epsilonprote	Campylobacterale	Commutations	Communiches	Commilabaatan
ASV335	Bacteria	Proteobacteria	obacteria	S	Campylobacteraceae	Campylobacter	Campylobacter
ASV22	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Granulicatella	Granulicatella_spCOT_ 095
ASV600	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Granulicatella	Granulicatella
ASV305	Bacteria	Firmicutes	Bacilli	Lactobacillales	Carnobacteriaceae	Granulicatella	Granulicatella
ASV969	Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillales	Lactobacillales	Lactobacillales
ASV421	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Globicatella	Globicatella
ASV1166	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Globicatella	Globicatella
ASV1414	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Globicatella	Globicatella
ASV1453	Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Globicatella	Globicatella

		ı		1	1	
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Abiotrophia	Abiotrophia
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Abiotrophia	Abiotrophia
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Abiotrophia	Abiotrophia
Bacteria	Firmicutes	Bacilli	Lactobacillales	Aerococcaceae	Abiotrophia	Abiotrophia
Bacteria	Firmicutes	Bacilli	Lactobacillales	Enterococcaceae	Enterococcus	Enterococcus_cecorum
Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Lactobacillaceae	Lactobacillus	Lactobacillus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Lactococcus	Lactococcus_piscium
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus_alactolytic us
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus_spCOT_ 279
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Lactobacillales	Streptococcaceae	Streptococcus	Streptococcus
Bacteria	Firmicutes	Bacilli	Bacillales	Bacillales_Incertae_Se dis_XI	Gemella	Gemella
Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Turicibacter	Turicibacter
Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Turicibacter	Turicibacter
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Peptococcus	Peptococcus_spCOT_3 44
Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Peptococcus	Peptococcus
	Bacteria	Bacteria Firmicutes	BacteriaFirmicutesBacilliBacteriaFirmicutesFirmicutesBacteriaFirmicutesFirmicutes	BacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliLactobacillalesBacteriaFirmicutesBacilliBacillalesBacteriaFirmicutesBacilliBacillalesBacteriaFirmicutesBacilliErysipelotrichalesBacteriaFirmicutesHiaErysipelotrichalesBacteriaFirmicutesClostridiales	Bacteria Firmicutes Bacilli Lactobacillales Aerococcaceae Bacteria Firmicutes Bacilli Lactobacillales Aerococcaceae Bacteria Firmicutes Bacilli Lactobacillales Enterococcaceae Bacteria Firmicutes Bacilli Lactobacillales Lactobacillaceae Bacteria Firmicutes Bacilli Lactobacillales Lactobacillaceae Bacteria Firmicutes Bacilli Lactobacillales Lactobacillaceae Bacteria Firmicutes Bacilli Lactobacillales Streptococcaceae Bacteria Firmicutes	Bacteria Firmicutes Bacilli Lactobacillales Aerococcaceae Abiotrophia Bacteria Firmicutes Bacilli Lactobacillales Aerococcaceae Abiotrophia Bacteria Firmicutes Bacilli Lactobacillales Aerococcaceae Abiotrophia Bacteria Firmicutes Bacilli Lactobacillales Lactobacillaceae Lactobacillus Bacteria Firmicutes Bacilli Lactobacillales Lactobacillaceae Lactobacillus Bacteria Firmicutes Bacilli Lactobacillales Lactobacillaceae Lactobacillus Bacteria Firmicutes Bacilli Lactobacillales Lactobacillus Bacteria Firmicutes Bacilli Lactobacillales Streptococcaceae Lactobacillus Bacteria Firmicutes Bacilli Lactobacillales Streptococcaceae Streptococcus Bacteria Firmicutes Bacilli Lactobacillales Streptococcaceae Streptococcus Bacteria Firmicutes Bacilli Lactobacillales

							Peptococcus_spCOT_0
ASV54	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Peptococcus	44
ASV834	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptococcaceae	Peptococcus	Peptococcus_spCOT_3 34
ASV1554	Bacteria	Firmicutes	Clostridia	Clostridiales	Eubacteriaceae_[XV]	Eubacterium	Eubacterium
ASV466	Bacteria	WPS-2	WPS-2_C-1	WPS-2_O-1	WPS-2_F-1	WPS-2_G-1	WPS-2_G- 1_spCOT_220
ASV220	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Veillonellaceae_I X_G-1	Veillonellaceae_IX_G-1
ASV846	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Veillonellaceae_I X_G-1	Veillonellaceae_IX_G-1
ASV758	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Phascolarctobacte rium	Phascolarctobacterium_s pCOT_149
ASV923	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Phascolarctobacte rium	Phascolarctobacterium
ASV1270	Bacteria	Firmicutes	Negativicute s	Selenomonadales	Veillonellaceae	Megamonas	Megamonas
ASV1571	Bacteria	Firmicutes	Negativicute s	Selenomonadales	Veillonellaceae	Megamonas	Megamonas
ASV588	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Selenomonas	Selenomonas_spCOT_ 167
ASV931	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Selenomonas	Selenomonas
ASV1051	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Selenomonas	Selenomonas
ASV1208	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Selenomonas	Selenomonas
ASV1280	Bacteria	Firmicutes	Negativicute s	Selenomonadales	Selenomonadaceae	Selenomonas	Selenomonas
ASV171	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Schwartzia	Schwartzia
ASV227	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Schwartzia	Schwartzia
ASV824	Bacteria	Firmicutes	Clostridia	Clostridiales	Veillonellaceae_IX	Schwartzia	Schwartzia
ASV424	Bacteria	Firmicutes	Negativicute s	Veillonellales	Veillonellaceae	Veillonellaceae_[G-1]	Veillonellaceae_[G-1]
ASV402	Bacteria	Firmicutes	Negativicute s	Veillonellales	Veillonellaceae	Veillonellaceae_[G-1]	Veillonellaceae_[G-1]

			Negativicute			Veillonellaceae_[
ASV435	Bacteria	Firmicutes	s	Veillonellales	Veillonellaceae	G-1]	Veillonellaceae_[G-1]
			Negativicute			Veillonellaceae_[
ASV656	Bacteria	Firmicutes	S	Veillonellales	Veillonellaceae	G-1]	Veillonellaceae_[G-1]
			Negativicute			Veillonellaceae_[
ASV802	Bacteria	Firmicutes	S	Veillonellales	Veillonellaceae	G-1]	Veillonellaceae_[G-1]
			Negativicute			Veillonellaceae_[
ASV1104	Bacteria	Firmicutes	S	Veillonellales	Veillonellaceae	G-1]	Veillonellaceae_[G-1]
				Acholeplasmatale		Acholeplasmatale	Acholeplasmatales_G-
ASV323	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-4	4_spCOT_316
				Acholeplasmatale		Acholeplasmatale	
ASV1269	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-4	Acholeplasmatales_G-4
				Acholeplasmatale		Acholeplasmatale	
ASV1695	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-4	Acholeplasmatales_G-4
				Acholeplasmatale		Acholeplasmatale	Acholeplasmatales_G-
ASV860	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-3	3_spCOT_375
				Acholeplasmatale		Acholeplasmatale	
ASV1418	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-3	Acholeplasmatales_G-3
				Acholeplasmatale		Acholeplasmatale	
ASV1559	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-3	Acholeplasmatales_G-3
. 01115			3.6.112	Acholeplasmatale		Acholeplasmatale	
ASV1577	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-4	Acholeplasmatales_G-4
A GX 1 60 4	D		3.6.112	Acholeplasmatale	A 1 1 1 1	Acholeplasmatale	
ASV624	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-4	Acholeplasmatales_G-4
A CX / 1 C 2 O	D	T	3.6.11	Acholeplasmatale	A 1 1 1 1	Acholeplasmatale	
ASV1639	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-4	Acholeplasmatales_G-4
ASV454	Bacteria	Firmicutes	Mollicutes	Mollicutes_[O-2]	Mollicutes_[F-2]	Mollicutes_[G-2]	Mollicutes_[G-2]
ASV872	Bacteria	Firmicutes	Mollicutes	Mollicutes_[O-2]	Mollicutes_[F-2]	Mollicutes_[G-2]	Mollicutes_[G-2]
ASV209	Bacteria	Firmicutes	Mollicutes	Mollicutes_[O-1]	Mollicutes_[F-1]	Mollicutes_[G-1]	Mollicutes_[G-1]
				Acholeplasmatale		Acholeplasmatale	Acholeplasmatales_G-
ASV105	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-1	1_spCOT_256
				Acholeplasmatale		Acholeplasmatale	
ASV456	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2

				Acholeplasmatale		Acholeplasmatale	
ASV1483	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1220	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1036	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1513	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1161	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1400	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1489	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
				Acholeplasmatale		Acholeplasmatale	
ASV1493	Bacteria	Tenericutes	Mollicutes	S	Acholeplasmatales	s_G-2	Acholeplasmatales_G-2
ASV1673	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
			Erysipelotric				
ASV1066	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	Allobaculum
			Erysipelotric				
ASV1258	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	Allobaculum
			Erysipelotric				
ASV1466	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	Allobaculum
			Erysipelotric				Allobaculum_stercoricani
ASV1646	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	S
			Erysipelotric				
ASV960	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	Allobaculum
			Erysipelotric				
ASV1226	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	Allobaculum
			Erysipelotric				
ASV1390	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Allobaculum	Allobaculum
			Erysipelotric				
ASV1342	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	Holdemanella	Holdemanella

			Erysipelotric			Erysipelotrichace	
ASV1246	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	ae	Erysipelotrichaceae
A GV/1260	D .	E: : .	Erysipelotric	F ' 1 / ' 1 1	E ' 1 . ' 1	Erysipelotrichace	
ASV1360	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	ae	Erysipelotrichaceae
1 GX 11 0 C			Erysipelotric	7	P 1 1 1 1 1	Erysipelotrichace	-
ASV196	Bacteria	Firmicutes	hia	Erysipelotrichales	Erysipelotrichaceae	ae	Erysipelotrichaceae
ASV1190	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV1031	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV1642	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV700	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae_G-4	Erysipelotrichaceae_G- 4_spCOT_381
ASV917	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae	Erysipelotrichaceae
ASV1264	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae_G-2	Erysipelotrichaceae_G-2
ASV589	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae G-2	Erysipelotrichaceae_G-2
ASV166	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae_G-1	Erysipelotrichaceae_G- 1_spCOT_311
ASV1259	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae_G-1	Erysipelotrichaceae_G-1
ASV334	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae_G-3	Erysipelotrichaceae_G-3
ASV1237	Bacteria	Firmicutes	Erysipelotric hia	Erysipelotrichales	Erysipelotrichaceae	Erysipelotrichace ae_G-3	Erysipelotrichaceae_G-3_spCOT_302
ASV645	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Ureaplasma	Ureaplasma
ASV1477	Bacteria	Tenericutes	Mollicutes	Mycoplasmatales	Mycoplasmataceae	Ureaplasma	Ureaplasma
ASV1295	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Levilinea	Levilinea
ASV1728	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	Chloroflexi_G-1	Chloroflexi_G- 1_spCOT_306
ASV712	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV869	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV153	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium

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ASV145	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV499	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV525	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV455	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1310	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1095	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV218	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1150	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1235	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV597	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV322	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV595	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium_spCOT169
ASV85	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium_spCOT _236
ASV1154	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV397	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV762	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV103	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1049	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV538	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV541	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV973	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV533	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV382	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV558	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV261	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV784	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV2	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium

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ASV224	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1689	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV516	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1266	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV856	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV821	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1619	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium_necropho rum
ASV581	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV236	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV687	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV807	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Cetobacterium	Cetobacterium
ASV786	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1680	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Fusobacterium	Fusobacterium
ASV1544	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Cetobacterium	Cetobacterium
ASV1653	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Cetobacterium	Cetobacterium
ASV1275	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Leptotrichia	Leptotrichia
ASV1590	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Leptotrichia	Leptotrichia
ASV679	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Leptotrichia	Leptotrichia
ASV1540	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Leptotrichia	Leptotrichia
ASV314	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Leptotrichia	Leptotrichia_spCOT_3 45
ASV1348	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Leptotrichia	Leptotrichia
ASV519	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	Leptotrichia	Leptotrichia
ASV1655	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Streptobacillus	Streptobacillus
ASV277	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Streptobacillus	Streptobacillus_spCOT _370
ASV894	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Streptobacillus	Streptobacillus
ASV347	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Streptobacillus	Streptobacillus
ASV239	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Fusobacteriales	Fusobacteriales	Fusobacteriales

ASV42	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Streptobacillus	Streptobacillus
ASV303	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Leptotrichiaceae	Leptotrichiaceae
ASV1044	Bacteria	Fusobacteria	Fusobacteriia	Fusobacteriales	Leptotrichiaceae	Leptotrichiaceae	Leptotrichiaceae
ASV1120	Bacteria	Elusimicrobia	Elusimicrobi a	Elusimicrobiales	Elusimicrobiaceae	Elusimicrobium	Elusimicrobium
ASV299	Bacteria	Elusimicrobia	Endomicrobi a	Candidatus_Endo microbium	Candidatus_Endomicr obium	Candidatus_Endo microbium	Candidatus_Endomicrobi um
ASV1316	Bacteria	Elusimicrobia	Endomicrobi a	Candidatus_Endo microbium	Candidatus_Endomicr obium	Candidatus_Endo microbium	Candidatus_Endomicrobi um
ASV432	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria_O-1	Alphaproteobacteria_F -1	Alphaproteobacte ria_G-1	Alphaproteobacteria_G- 1_spCOT_081
ASV1525	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria_O-1	Alphaproteobacteria_F -1	Alphaproteobacte ria_G-1	Alphaproteobacteria_G-1
ASV1380	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria_O-1	Alphaproteobacteria_F -1	Alphaproteobacte ria_G-1	Alphaproteobacteria_G-1
ASV1676	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria_O-1	Alphaproteobacteria_F -1	Alphaproteobacte ria_G-1	Alphaproteobacteria_G-1
ASV1052	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria_O-1	Alphaproteobacteria_F -1	Alphaproteobacte ria_G-1	Alphaproteobacteria_G-1
ASV1338	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria_O-1	Alphaproteobacteria_F -1	Alphaproteobacte ria_G-1	Alphaproteobacteria_G-1
ASV1492	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria	Alphaproteobacteria	Alphaproteobacte ria	Alphaproteobacteria
ASV477	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria	Alphaproteobacteria	Alphaproteobacte ria	Alphaproteobacteria
ASV861	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria	Alphaproteobacteria	Alphaproteobacte ria	Alphaproteobacteria
ASV1282	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria	Alphaproteobacteria	Alphaproteobacte ria	Alphaproteobacteria
ASV1354	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria	Alphaproteobacteria	Alphaproteobacte ria	Alphaproteobacteria
ASV1715	Bacteria	Proteobacteria	Proteobacteri a	Proteobacteria	Proteobacteria	Proteobacteria	Proteobacteria

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ASV978	Bacteria	Proteobacteria	bacteria	Rhodospirillales	Rhodospirillales	Rhodospirillales	Rhodospirillales
ASV1678	Bacteria	Proteobacteria	Alphaproteo bacteria	Rhodospirillales	Rhodospirillaceae	Rhodospirillaceae	Rhodospirillaceae
ASV1640	Bacteria	Proteobacteria	Alphaproteo bacteria	Rhodospirillales	Rhodospirillales	Rhodospirillales	Rhodospirillales
ASV1675	Bacteria	Proteobacteria	Alphaproteo bacteria	Alphaproteobacte ria	Alphaproteobacteria	Alphaproteobacte ria	Alphaproteobacteria
ASV584	Bacteria	Proteobacteria Proteobacteria	Proteobacteri a	Proteobacteria Proteobacteria	Proteobacteria Proteobacteria	Proteobacteria	Proteobacteria
A3 V 304	Dacteria	Fioteobacteria	Proteobacteri	Fioteobacteria	FTOLEODACIETTA	Floteobacteria	FTOLEODACICITA
ASV564	Bacteria	Proteobacteria	a	Proteobacteria	Proteobacteria	Proteobacteria	Proteobacteria
ASV1479	Bacteria	Proteobacteria	Proteobacteri a	Proteobacteria	Proteobacteria	Proteobacteria	Proteobacteria
ASV1511	Bacteria	Proteobacteria	Alphaproteo bacteria	Sphingomonadale s	Sphingomonadaceae	Sphingobium	Sphingobium
ASV1644	Bacteria	Proteobacteria	Alphaproteo bacteria	Sphingomonadale s	Sphingomonadaceae	Sphingomonas	Sphingomonas_dokdonen sis
ASV1286	Bacteria	Proteobacteria	Alphaproteo bacteria	Rhizobiales	Bradyrhizobiaceae	Bosea	Bosea
ASV1558	Bacteria	Proteobacteria	Alphaproteo bacteria	Rhizobiales	Bradyrhizobiaceae	Bradyrhizobium	Bradyrhizobium
ASV1488	Bacteria	Proteobacteria	Alphaproteo bacteria	Rhizobiales	Brucellaceae	Ochrobactrum	Ochrobactrum
ASV1734	Bacteria	Proteobacteria	Alphaproteo bacteria	Caulobacterales	Caulobacteraceae	Caulobacter	Caulobacter
ASV13	Bacteria	Chlorobi	Chlorobi_C-	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G- 1_spCOT_046
ASV815	Bacteria	Chlorobi	Chlorobi_C-	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
ASV228	Bacteria	Chlorobi	Chlorobi_C-	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
ASV40	Bacteria	Chlorobi	Chlorobi_C-1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1

			Chlorobi_C-				Chlorobi_G-
ASV157	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	1_spCOT_046
			Chlorobi_C-				
ASV857	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV563	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV966	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV1061	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV101	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				Chlorobi_G-
ASV109	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	1_spCOT_312
			Chlorobi_C-				
ASV604	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV1142	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV1423	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV1435	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV1626	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Chlorobi_C-				
ASV1693	Bacteria	Chlorobi	1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
			Flavobacterii				
ASV1748	Bacteria	Bacteroidetes	a	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae	Flavobacteriaceae
			Gammaprote			Stenotrophomona	
ASV785	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	S	Stenotrophomonas
			Gammaprote			Stenotrophomona	
ASV927	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	S	Stenotrophomonas
			Gammaprote			Stenotrophomona	Stenotrophomonas_spC
ASV326	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	S	OT_224

			Gammaprote			Stenotrophomona	
ASV89	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	S	Stenotrophomonas
			Gammaprote			Xanthomonadace	
ASV759	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	ae	Xanthomonadaceae
			Gammaprote				
ASV1609	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	Luteimonas	Luteimonas
			Gammaprote				Luteimonas_spCOT_27
ASV634	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	Luteimonas	5
			Gammaprote			Xanthomonadace	
ASV229	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	ae	Xanthomonadaceae
			Gammaprote			Xanthomonadace	
ASV279	Bacteria	Proteobacteria	obacteria	Xanthomonadales	Xanthomonadaceae	ae	Xanthomonadaceae
			Betaproteoba				
ASV159	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV223	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV64	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV158	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV373	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				Xenophilus_spCOT_26
ASV317	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	4
			Betaproteoba				
ASV739	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV176	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1118	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV906	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV116	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus

			Betaproteoba				
ASV666	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1013	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1180	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1568	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1701	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Comamonadaceae	Comamonadaceae
			Betaproteoba				
ASV1705	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Comamonadaceae	Comamonadaceae
			Betaproteoba				
ASV1741	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiales	Burkholderiales	Burkholderiales
			Betaproteoba				
ASV1612	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1624	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba				
ASV1063	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV1535	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV593	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV1432	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Xenophilus	Xenophilus
			Betaproteoba			•	•
ASV132	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV452	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV799	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV920	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia

			Betaproteoba				
ASV1151	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV1074	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1111	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Comamonadaceae	Comamonadaceae
			Betaproteoba				
ASV1555	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Ottowia	Ottowia
			Betaproteoba				
ASV1503	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Comamonas	Comamonas
			Betaproteoba				Comamonas_spCOT_2
ASV16	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Comamonas	70
			Betaproteoba				
ASV1387	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV262	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV361	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				Brachymonas_spCOT_
ASV170	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	015
			Betaproteoba			- ·	
ASV470	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
, GY 1450		D . 1	Betaproteoba	D 11 11 11		- I	, .
ASV473	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
A GX / 1 2 2 0	ъ .	D . 1	Betaproteoba	D 11 11 11		D 1	D 1
ASV1328	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
A GX 71 4 4 4		D . 1	Betaproteoba	D 11 11 11		- I	
ASV1444	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
ACTICA	ъ .	D . 1	Betaproteoba	D 11 11 11		D 1	D 1
ASV772	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
A GY 12 CO	D .	D . 1	Betaproteoba	D 11 11 11		D 1	D 1
ASV369	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
ACTION	D	D . 1	Betaproteoba	D 11 11 11		D 1	D
ASV386	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas

			Betaproteoba				
ASV1092	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1292	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV672	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1004	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV727	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1130	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV486	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV701	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV585	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1008	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV550	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV536	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV217	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV684	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV340	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV380	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV191	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas

			Betaproteoba				
ASV417	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1378	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Delftia	Delftia
			Betaproteoba				
ASV1567	Bacteria	Proteobacteria	cteria	Burkholderiales	Comamonadaceae	Brachymonas	Brachymonas
			Betaproteoba				
ASV1175	Bacteria	Proteobacteria	cteria	Burkholderiales	Sutterellaceae	Sutterella	Sutterella
			Betaproteoba				
ASV1385	Bacteria	Proteobacteria	cteria	Burkholderiales	Sutterellaceae	Sutterella	Sutterella_stercoricanis
			Betaproteoba				
ASV889	Bacteria	Proteobacteria	cteria	Burkholderiales	Sutterellaceae	Parasutterella	Parasutterella
			Betaproteoba				
ASV1361	Bacteria	Proteobacteria	cteria	Burkholderiales	Sutterellaceae	Parasutterella	Parasutterella
			Betaproteoba				
ASV117	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiaceae	Lautropia	Lautropia_spCOT_175
			Betaproteoba			•	
ASV646	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiaceae	Lautropia	Lautropia
			Betaproteoba			•	•
ASV606	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiaceae	Lautropia	Lautropia_spCOT_060
			Betaproteoba			•	
ASV1075	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiaceae	Lautropia	Lautropia
			Betaproteoba			i	•
ASV1124	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiaceae	Lautropia	Lautropia
			Betaproteoba			•	•
ASV1128	Bacteria	Proteobacteria	cteria	Burkholderiales	Burkholderiaceae	Lautropia	Lautropia
			Betaproteoba			•	•
ASV1484	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseriaceae	Neisseriaceae
			Betaproteoba				
ASV748	Bacteria	Proteobacteria	cteria	Rhodocyclales	Rodocyclaceae	Proprionivibrio	Proprionivibrio
			Betaproteoba				
ASV1323	Bacteria	Proteobacteria	cteria	Rhodocyclales	Rodocyclaceae	Proprionivibrio	Proprionivibrio
			Betaproteoba				Proprionivibrio_spCOT
ASV244	Bacteria	Proteobacteria	cteria	Rhodocyclales	Rodocyclaceae	Proprionivibrio	_223

			Betaproteoba				Proprionivibrio_spCOT
ASV659	Bacteria	Proteobacteria	cteria	Rhodocyclales	Rodocyclaceae	Proprionivibrio	_223
			Betaproteoba				
ASV1660	Bacteria	Proteobacteria	cteria	Rhodocyclales	Rodocyclaceae	Proprionivibrio	Proprionivibrio
			Betaproteoba				
ASV1617	Bacteria	Proteobacteria	cteria	Rhodocyclales	Rodocyclaceae	Proprionivibrio	Proprionivibrio
			Betaproteoba				
ASV1523	Bacteria	Proteobacteria	cteria	Burkholderiales	Oxalobacteraceae	Oxalobacter	Oxalobacter
			Betaproteoba				
ASV438	Bacteria	Proteobacteria	cteria	Burkholderiales	Alcaligenaceae	Alcaligenaceae	Alcaligenaceae
			Betaproteoba				
ASV1072	Bacteria	Proteobacteria	cteria	Burkholderiales	Alcaligenaceae	Pelistega	Pelistega
			Betaproteoba				
ASV156	Bacteria	Proteobacteria	cteria	Burkholderiales	Oxalobacteraceae	Pelistega	Pelistega_spCOT_267
			Betaproteoba				
ASV658	Bacteria	Proteobacteria	cteria	Burkholderiales	Oxalobacteraceae	Pelistega	Pelistega
			Gammaprote			Pasteurellaceae_G	
ASV823	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV1123	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV720	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae G	
ASV583	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae G	
ASV1056	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	_
ASV537	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV569	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae G	
ASV682	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV1223	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1

			Gammaprote			Pasteurellaceae_G	
ASV942	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV957	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV1002	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV911	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV1284	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV479	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	Pasteurellaceae_G-
ASV940	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	1_spCOT_272
			Gammaprote			Pasteurellaceae_G	
ASV1452	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV617	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV560	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	Pasteurellaceae_G-
ASV543	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	1_spCOT_326
			Gammaprote			Pasteurellaceae_G	
ASV1207	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV867	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV474	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV941	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV1001	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	Pasteurellaceae_G-
ASV76	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	1_spCOT_272

			Gammaprote			Pasteurellaceae_G	
ASV187	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV270	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV289	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV348	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV467	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote				
ASV1560	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella
			Gammaprote				
ASV70	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella_canis
			Gammaprote				
ASV517	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella
			Gammaprote				
ASV124	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella
			Gammaprote				
ASV17	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella
			Gammaprote				
ASV272	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurella	Pasteurella
			Gammaprote			Pasteurellaceae_G	
ASV1584	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV110	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV79	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote				
ASV1098	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurellaceae	Pasteurellaceae
			Gammaprote			Pasteurellaceae_G	
ASV342	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV482	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2

			Gammaprote			Pasteurellaceae_G	
ASV311	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV818	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV775	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV795	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV615	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV830	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV915	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	Pasteurellaceae_G-
ASV637	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	2_spCOT_271
			Gammaprote			Pasteurellaceae_G	
ASV174	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV1090	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV661	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV971	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV360	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV46	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV154	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV214	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV463	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2

			Gammaprote			Pasteurellaceae_G	
ASV518	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV765	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV796	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV1152	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-2	Pasteurellaceae_G-2
			Gammaprote			Pasteurellaceae_G	
ASV1706	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Pasteurellaceae_G	
ASV1707	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	-1	Pasteurellaceae_G-1
			Gammaprote			Anaerobiospirillu	
ASV1585	Bacteria	Proteobacteria	obacteria	Aeromonadales	Succinivibrionaceae	m	Anaerobiospirillum
			Gammaprote			Anaerobiospirillu	
ASV1661	Bacteria	Proteobacteria	obacteria	Aeromonadales	Succinivibrionaceae	m	Anaerobiospirillum
			Gammaprote				
ASV1587	Bacteria	Proteobacteria	obacteria	Chromatiales	Chromatiaceae	Rheinheimera	Rheinheimera
			Gammaprote			Escherichia/Shige	
ASV1416	Bacteria	Proteobacteria	obacteria	Enterobacteriales	Enterobacteriaceae	lla	Escherichia/Shigella
			Gammaprote			Escherichia/Shige	
ASV1539	Bacteria	Proteobacteria	obacteria	Enterobacteriales	Enterobacteriaceae	lla	Escherichia/Shigella
			Gammaprote				
ASV956	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV1215	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote			Cardiobacteriacea	
ASV1003	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	e	Cardiobacteriaceae
			Gammaprote			Cardiobacteriacea	
ASV933	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	e	Cardiobacteriaceae
			Gammaprote				Cardiobacterium_spCO
ASV403	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	T_176
			Gammaprote				
ASV1662	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium

			Gammaprote				a
ASV230	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
A GXX1 477 c		5	Gammaprote				
ASV1476	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote	~			~
ASV505	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				Cardiobacterium_spCO
ASV546	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	T_238
			Gammaprote				
ASV1227	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				Cardiobacterium_spCO
ASV877	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	T_238
			Gammaprote				
ASV954	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV1536	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				Cardiobacterium_spCO
ASV118	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	T_177
			Gammaprote				
ASV190	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV749	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV1070	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV1327	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV1371	Bacteria	Proteobacteria	obacteria	Cardiobacteriales	Cardiobacteriaceae	Cardiobacterium	Cardiobacterium
			Gammaprote				
ASV1744	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Nicoletella	Nicoletella
			Gammaprote	Gammaproteobact		Gammaproteobact	
ASV1746	Bacteria	Proteobacteria	obacteria	eria	Gammaproteobacteria	eria	Gammaproteobacteria
			Gammaprote		•		•
ASV1757	Bacteria	Proteobacteria	obacteria	Pasteurellales	Pasteurellaceae	Pasteurellaceae	Pasteurellaceae

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			Betaproteoba				
ASV1654	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1509	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1543	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1219	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV319	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV609	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1069	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseriaceae	Neisseriaceae
			Betaproteoba				
ASV1441	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseriaceae	Neisseriaceae
A GX /200	ъ .	D . 1	Betaproteoba	NT ' ' 1	NT : .	F'1 11	F'1 11
ASV309	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Eikonella	Eikonella
A CX / 1 1 C 2	D .	D . 1	Betaproteoba	NT ' ' 1	NT :	NT :	NT ·
ASV1163	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
A CX1275	Dostonio	Dustaslasstanis	Betaproteoba	Maissarialas	Maissaniassa	Maissanissass	Maissauissass
ASV375	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseriaceae	Neisseriaceae
ASV1522	Bacteria	Proteobacteria	Betaproteoba cteria	Neisseriales	Neisseriaceae	Neisseriaceae	Neisseriaceae
A5 V 1322	Dacteria	Tioteobacteria	Betaproteoba	TVEISSCHAICS	reisserfaceae	Neisseriaceae	TVCISSCITACCAC
ASV1307	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
AS V 1307	Dacteria	Tioteobacteria	Betaproteoba	TVCISSCITATES	TVCISSCITACCAC	Concinionnolas	Conciniormiorus
ASV787	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
110 7 707	Dacteria	Trocobacteria	Betaproteoba	1101550114105	1 totssoriacoac	Concinionnoids	Concinioninous
ASV1241	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
110 112-11	Bucteria	110000000010110	Betaproteoba	1 (01550114105	11015501140040	Concinionnoids	
ASV619	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
120,017	Bucteriu	1 1 3 to concern to	Betaproteoba	1.01000114100	1.010001140040		
ASV127	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius

			Betaproteoba				
ASV842	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1335	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				Conchiformibius_spCO
ASV192	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	T_286
			Betaproteoba				
ASV594	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV484	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1257	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1364	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1107	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1593	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius_steedae
			Betaproteoba				
ASV657	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV678	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV691	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV901	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1306	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
ASV754	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Alysiella	Alysiella
			Betaproteoba				J
ASV987	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
ASV752	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius

			Betaproteoba				
ASV1302	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1373	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				Conchiformibius_spCO
ASV313	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	T_289
			Betaproteoba				
ASV255	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV423	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				Conchiformibius_spCO
ASV641	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	T_289
			Betaproteoba				
ASV650	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1273	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1504	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Conchiformibius	Conchiformibius
			Betaproteoba				
ASV1143	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1530	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV368	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV792	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV111	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV798	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV123	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
	= =====================================		Betaproteoba				
ASV150	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria

			Betaproteoba				
ASV97	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV222	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1443	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV651	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV207	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria_canis
			Betaproteoba				
ASV638	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1703	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseriaceae	Neisseriaceae
			Betaproteoba				
ASV1572	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Betaproteoba				
ASV1613	Bacteria	Proteobacteria	cteria	Neisseriales	Neisseriaceae	Neisseria	Neisseria
			Gammaprote				
ASV1614	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV413	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter
			Gammaprote				
ASV770	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Acinetobacter	Acinetobacter
			Gammaprote				
ASV1277	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxellaceae	Moraxellaceae
			Gammaprote				
ASV1026	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1179	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV725	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV379	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella_spCOT_396

			Gammaprote				
ASV144	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV53	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV3	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV921	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV757	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV126	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV662	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1033	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV768	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1110	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV69	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1140	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1209	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1437	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1652	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Enhydrobacter	Enhydrobacter
			Gammaprote				
ASV1471	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1659	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella

			Gammaprote				
ASV1599	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
ASV1714	Bacteria	Bacteroidetes	Bacteroidia	Bacteroidia_O-1	Bacteroidia_F-1	Odoribacter	Odoribacter
			Gammaprote				
ASV1758	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Faucicola	Faucicola
A GX 11070	D	D . 1	Gammaprote	D 1 11) / II	F . 1	F
ASV1272	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Faucicola	Faucicola
ASV1375	Bacteria	Proteobacteria	Gammaprote obacteria	Pseudomonadales	Moraxellaceae	Faucicola	Faucicola
A3 V 13 / 3	Dacteria	FIOLEODACICITA	Gammaprote	r seudomonadales	Wioraxenaceae	Taucicoia	1 aucicola
ASV626	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
112 + 020		1100000000000	Gammaprote		112014111111111111111111111111111111111	1/1014/1014	1/25/44/100
ASV1099	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV371	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV845	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
A CX 1507	Dantaria	Durate de catania	Gammaprote	D d	M 11	M 11 -	M 11 -
ASV527	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
ASV243	Bacteria	Proteobacteria	Gammaprote obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
715 V 2-13	Bacteria	Tioteobacteria	Gammaprote	1 seddomonadates	Wordschaede	Wioraxcha	Wiordaena
ASV352	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV946	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV676	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1311	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
ASV1	Bacteria	Proteobacteria	Gammaprote obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella_spCOT_018
120 , 1	Bucteriu	1 1 3 te o cue te i iu	Gammaprote	2 STAGOIII GIIGGUIO	1.1014/101140040	1,101W101W	1.131m.tc.nu_5pcc.1_010
ASV30	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella

			Gammaprote				
ASV93	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV194	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Gammaprote				
ASV1344	Bacteria	Proteobacteria	obacteria	Pseudomonadales	Moraxellaceae	Moraxella	Moraxella
			Actinobacteri				
ASV721	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces_bacterium
			Actinobacteri				
ASV1330	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV252	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces_canis
			Actinobacteri				
ASV642	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV713	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV996	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1260	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1510	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1082	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV134	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV233	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1289	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1059	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1193	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces

			Actinobacteri				
ASV552	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1113	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1533	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1742	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1309	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV1498	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces_weissii
			Actinobacteri				
ASV532	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces_weissii
			Actinobacteri				
ASV930	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV822	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces_bowdenii
			Actinobacteri				
ASV1096	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV160	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV542	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces_coleocanis
			Actinobacteri				
ASV885	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV428	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetales	Actinomycetales	Actinomycetales
			Actinobacteri				
ASV925	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV99	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				
ASV980	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces

			Actinobacteri				
ASV695	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	Actinomyces
			Actinobacteri				Actinomyces_hordeovuln
ASV839	Bacteria	Actinobacteria	a	Actinomycetales	Actinomycetaceae	Actinomyces	eris
			Actinobacteri				
ASV576	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Microbacteriaceae	Microbacteriaceae
			Actinobacteri				
ASV991	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Leucobacter	Leucobacter
			Actinobacteri				
ASV1694	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Microbacterium	Microbacterium
			Actinobacteri				
ASV735	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Leucobacter	Leucobacter
			Actinobacteri				
ASV162	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Leucobacter	Leucobacter
			Actinobacteri				
ASV327	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Leucobacter	Leucobacter
			Actinobacteri				
ASV675	Bacteria	Actinobacteria	a	Actinomycetales	Microbacteriaceae	Leucobacter	Leucobacter
			Actinobacteri				
ASV1084	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				
ASV1102	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				
ASV1349	Bacteria	Actinobacteria	a	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				
ASV1350	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				
ASV844	Bacteria	Actinobacteria	a	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri	-			
ASV1055	Bacteria	Actinobacteria	a	Corynebacteriales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri	-			Corynebacterium_mustel
ASV936	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	ae
			Actinobacteri	•			
ASV1091	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium

			Actinobacteri				Corynebacterium_mustel
ASV500	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	ae
			Actinobacteri				Corynebacterium_mustel
ASV495	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	ae
			Actinobacteri				
ASV838	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				Corynebacterium_freibur
ASV388	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	gense
			Actinobacteri				Corynebacterium_freibur
ASV412	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	gense
			Actinobacteri				
ASV203	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				
ASV1165	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri				
ASV574	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium_canis
			Actinobacteri				
ASV955	Bacteria	Actinobacteria	a	Actinomycetales	Corynebacteriaceae	Corynebacterium	Corynebacterium
			Actinobacteri			Propionibacteriu	Propionibacterium_spC
ASV276	Bacteria	Actinobacteria	a	Actinomycetales	Propionibacteriaceae	m	OT_300
			Actinobacteri			Propionibacteriu	
ASV766	Bacteria	Actinobacteria	a	Actinomycetales	Propionibacteriaceae	m	Propionibacterium
			Actinobacteri			Propionibacteriu	
ASV1160	Bacteria	Actinobacteria	a	Actinomycetales	Propionibacteriaceae	m	Propionibacterium
			Actinobacteri	Propionibacteriale			
ASV1401	Bacteria	Actinobacteria	a	S	Propionibacteriaceae	Cutibacterium	Cutibacterium
			Actinobacteri	Propionibacteriale			
ASV1586	Bacteria	Actinobacteria	a	s	Propionibacteriaceae	Cutibacterium	Cutibacterium
			Actinobacteri	Propionibacteriale		Propionibacteriac	Propionibacteriaceae_[G-
ASV1616	Bacteria	Actinobacteria	a	S	Propionibacteriaceae	eae_[G-1]	1]
			Actinobacteri				
ASV1529	Bacteria	Actinobacteria	a	Actinomycetales	Propionibacteriaceae	Brooklawnia	Brooklawnia
			Actinobacteri	Propionibacteriale		Propionibacteriac	Propionibacteriaceae_[G-
ASV1621	Bacteria	Actinobacteria	a	S	Propionibacteriaceae	eae_[G-2]	2]

A CLUZOC	Destarie	A -41:14	Actinobacteri	A - 4: 4 - 1	Described the standards	Propionibacteriu	Propionibacterium_spC
ASV396	Bacteria	Actinobacteria	a	Actinomycetales	Propionibacteriaceae	m D : :1 :	OT_296
A CX1442	Dontonio	Actinobacteria	Actinobacteri	A atimamusa atalaa	Duanianih astania asaa	Propionibacteriu	Propionibacterium_spC
ASV443	Bacteria	Actinobacteria	a Actinobacteri	Actinomycetales	Propionibacteriaceae	m	OT_324
ASV1249	Bacteria	Actinobacteria	a	Bifidobacteriales	Bifidobacteriaceae	Bifidobacterium	Bifidobacterium_pseudol
A5 V 1249	Dacteria	Actinobacteria	Actinobacteri	Actinobacteria_O	Diffuodacteffaceae	Actinobacteria G	ongum Actinobacteria_G-
ASV664	Bacteria	Actinobacteria	a_C-1	-1	Actinobacteria_F-1	-1	1_spCOT_376
715 7 00 1	Bueteriu	7 Ictinoducteriu	Actinobacteri	Actinobacteria_O	71etinooueteriu_1 1	Actinobacteria_G	1_spco1_s70
ASV226	Bacteria	Actinobacteria	a_C-1	-1	Actinobacteria_F-1	-1	Actinobacteria_G-1
			Actinobacteri	Actinobacteria_O		Actinobacteria_G	
ASV1125	Bacteria	Actinobacteria	a_C-1	-1	Actinobacteria_F-1	-1	Actinobacteria_G-1
			Coriobacterii				
ASV1604	Bacteria	Actinobacteria	a	Coriobacteriales	Coriobacteriaceae	Atopobium	Atopobium
			Actinobacteri				
ASV1708	Bacteria	Actinobacteria	a	Coriobacteriales	Coriobacteriaceae	Adlercreutzia	Adlercreutzia
ASV1225	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV1569	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV668	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1254	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV544	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1345	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV949	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1427	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1240	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
							Treponema_spCOT_19
ASV614	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	8
ASV729	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1046	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
							Treponema_spCOT_19
ASV557	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	8
ASV1126	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema

Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_23 7
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_23 8
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_23 7
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_23 7
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_35
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_24 7
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
	Bacteria	Bacteria Spirochaetes	BacteriaSpirochaetesSpirochaetia	BacteriaSpirochaetesSpirochaetiaSpirochaetalesBacteriaSpirochaetesSpirochaetalesBacteriaSpirochaetesSpirochaetalesBacteriaSpirochaetesSpirochaetales	BacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalealesBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalealealealealeaBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetalealealealealealealealealealealealealea	BacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetaeeTreponemaBacteriaSpirochaetesSpirochaetiaSpirochaetalesSpirochaetaeeTreponemaBacteriaSpirochaetesSpirochaetaeSpirochaetaeeTreponemaBacteriaSpirochaetesSpirochaetaeSpirochaetaeeTreponemaBacteriaSpirochaetesSpirochaetaesSpirochaetaeeaeTreponemaBacteriaSpirochaetesSpirochaetaeeaTreponemaBacteriaSpirochaetesSpirochaetaeeaeTreponemaBacteriaSpirochaetesSpirochaetaeaeTreponemaBacteriaSpirochaetesSpirochaetaeeaeTreponemaBacteriaSpirochaetesSpirochaetaeaeaeTreponemaBacteriaSpirochaetesSpirochaetaeaeaeaeaeaeaeaeaeaeaeaeaeaeaeaeaeae

ASV1229	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV631	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1212	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_17
ASV1751	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV457	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV547	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV301	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_23
ASV204	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_23
ASV1294	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1333	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV767	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_35 5
ASV924	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1430	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV873	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV907	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1178	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1318	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1475	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1752	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1547	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1366	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1500	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_23 5
ASV1743	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV908	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1324	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_17

		T	1	T	1	T	1
ASV1138	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1403	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1407	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1495	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1224	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV567	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_23
ASV1064	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV945	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV636	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_19
ASV1230	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1534	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1736	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1592	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1721	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1665	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV370	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_24 6
ASV497	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1417	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1482	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1155	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1515	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1145	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1177	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1637	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1446	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV884	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1462	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema

ASV1251	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV793	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1606	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV999	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1526	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1750	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV979	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1357	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1496	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1631	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV681	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1649	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1486	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
						_	Treponema_spCOT_20
ASV430	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	1
ASV1216	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1317	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1395	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1005	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1189	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV330	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
							Treponema_spCOT_35
ASV755	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	0
ASV511	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV863	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1032	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV84	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV523	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV492	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema

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ASV475	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1451	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV362	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1020	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV685	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1397	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1456	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1040	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_39 7
ASV1630	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1217	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1552	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV416	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1086	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV34	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1077	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV496	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_denticola
ASV1043	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV447	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV346	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_denticola
ASV205	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_denticola
ASV414	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1010	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV20	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_denticola
ASV39	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV308	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV522	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1078	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1201	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema

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ASV1737	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1738	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1368	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1382	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV910	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1687	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1027	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1296	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1428	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1709	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV983	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1384	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1394	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1402	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1203	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1021	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_socranskii
ASV997	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1491	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1253	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1550	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV601	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV800	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV813	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1183	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV896	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_parvum
ASV1455	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV175	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_20

							Treponema_spCOT_35
ASV843	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	8
ASV771	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1556	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV929	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1243	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV568	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV851	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1336	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV963	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1293	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_35
ASV180	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV625	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV293	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spHMT_49
ASV193	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_35
ASV51	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1117	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV565	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV25	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema_spCOT_35
ASV862	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV1667	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta
ASV343	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta_spCOT_31 4
ASV711	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta
ASV1202	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta
ASV408	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta_spCOT_31 4

ASV902	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta
ASV922	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	Sphaerochaeta
ASV1517	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	Sphaerochaeta
ASV1391	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	Sphaerochaeta
ASV1279	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Spirochaeta	Spirochaeta
ASV1211	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	Sphaerochaeta
ASV1341	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	Sphaerochaeta
ASV1602	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Sphaerochaeta	Sphaerochaeta
ASV1516	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV366	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetales	Spirochaetales_G-1	Spirochaetales_G-1
ASV710	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV521	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV938	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria	Bacteria
ASV548	Bacteria	Proteobacteria	Deltaproteob acteria	Bdellovibrionales	Bacteriovoracaceae	Bacteriovoracacea e	Bacteriovoracaceae
ASV1278	Bacteria	Proteobacteria	Deltaproteob acteria	Bdellovibrionales	Bacteriovoracaceae	Halobacteriovora x	Halobacteriovorax
ASV1627	Bacteria	Spirochaetes	Spirochaetia	Spirochaetales	Spirochaetaceae	Treponema	Treponema
ASV512	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV1149	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV819	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV918	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV1615	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV1290	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV1023	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G- 1_spCOT_309
ASV1157	Bacteria	Firmicutes	Firmicutes	Firmicutes	Firmicutes	Firmicutes_G-1	Firmicutes_G-1
ASV1531	Bacteria	Acidobacteria	Acidobacteri a_Gp3	Gp3	Gp3	Gp3	Gp3

			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV1332	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV1507	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	-
ASV406	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	-
ASV1276	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV411	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV562	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	•
ASV1461	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV1464	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	Deltaproteobacteria_G-
ASV437	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	1_spCOT_266
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV1007	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV1195	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV883	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	
ASV418	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	-
ASV794	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	-
ASV1169	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob	Deltaproteobacter	Deltaproteobacteria_F-	Deltaproteobacter	-
ASV1370	Bacteria	Proteobacteria	acteria	ia_O-1	1	ia_G-1	Deltaproteobacteria_G-1
			Deltaproteob				
ASV1355	Bacteria	Proteobacteria	acteria	Myxococcales	Myxococcaceae	Aggregicoccus	Aggregicoccus

			Deltaproteob				
ASV705	Bacteria	Proteobacteria	acteria	Myxococcales	Polyangiaceae	Chondromyces	Chondromyces
			Deltaproteob				
ASV667	Bacteria	Proteobacteria	acteria	Myxococcales	Polyangiaceae	Chondromyces	Chondromyces
			Deltaproteob				
ASV1449	Bacteria	Proteobacteria	acteria	Myxococcales	Polyangiaceae	Chondromyces	Chondromyces
			Deltaproteob	Deltaproteobacter		Deltaproteobacter	
ASV1474	Bacteria	Proteobacteria	acteria	ia	Deltaproteobacteria	ia	Deltaproteobacteria
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	-
ASV446	Bacteria	Proteobacteria	acteria	S	1	s_G-1	Desulfovibrionales_G-1
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	
ASV688	Bacteria	Proteobacteria	acteria	S	1	s_G-1	Desulfovibrionales_G-1
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	Desulfovibrionales_G-
ASV367	Bacteria	Proteobacteria	acteria	S	1	s_G-1	1_spCOT_009
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	
ASV1248	Bacteria	Proteobacteria	acteria	s	1	s_G-1	Desulfovibrionales_G-1
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	
ASV1213	Bacteria	Proteobacteria	acteria	s	1	s_G-1	Desulfovibrionales_G-1
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	
ASV481	Bacteria	Proteobacteria	acteria	S	1	s_G-1	Desulfovibrionales_G-1
			Deltaproteob	Desulfovibrionale	Desulfovibrionales_F-	Desulfovibrionale	
ASV1108	Bacteria	Proteobacteria	acteria	s	1	s_G-1	Desulfovibrionales_G-1
			Deltaproteob	Desulfovibrionale		Desulfovibrionace	
ASV694	Bacteria	Proteobacteria	acteria	s	Desulfovibrionaceae	ae	Desulfovibrionaceae
			Deltaproteob	Desulfovibrionale		Desulfomicrobiu	
ASV37	Bacteria	Proteobacteria	acteria	s	Desulfomicrobiaceae	m	Desulfomicrobium_orale
			Deltaproteob	Desulfovibrionale		Desulfomicrobiu	_
ASV47	Bacteria	Proteobacteria	acteria	s	Desulfomicrobiaceae	m	Desulfomicrobium
			Deltaproteob	Desulfovibrionale		Desulfomicrobiu	
ASV570	Bacteria	Proteobacteria	acteria	S	Desulfomicrobiaceae	m	Desulfomicrobium
			Deltaproteob	Desulfovibrionale		Desulfomicrobiu	
ASV143	Bacteria	Proteobacteria	acteria	S	Desulfomicrobiaceae	m	Desulfomicrobium
			Deltaproteob	Desulfovibrionale		Desulfomicrobiu	
ASV1749	Bacteria	Proteobacteria	acteria	S	Desulfomicrobiaceae	m	Desulfomicrobium

			Deltaproteob	Desulfovibrionale			
ASV1596	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	Desulfovibrio
			Deltaproteob	Desulfovibrionale			Desulfovibrio_spHMT_
ASV649	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	040
			Deltaproteob	Desulfovibrionale			
ASV743	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	Desulfovibrio
			Deltaproteob	Desulfovibrionale			
ASV36	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	Desulfovibrio
			Deltaproteob	Desulfovibrionale			
ASV38	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	Desulfovibrio
			Deltaproteob	Desulfovibrionale			
ASV161	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	Desulfovibrio
			Deltaproteob	Desulfovibrionale			
ASV225	Bacteria	Proteobacteria	acteria	S	Desulfovibrionaceae	Desulfovibrio	Desulfovibrio
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV216	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-3	G-3
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV524	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-3	G-3
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV718	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-3	G-3
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV274	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-3	G-3
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV410	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-3	G-3
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1214	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-7	G-7
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV635	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-7	G-7
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1112	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-1	G-1
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1347	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-1	G-1
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV640	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-2	G-2

A CX 1421	D	F:	C1 1:	Cl	Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV431	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-2	G-2
ASV1505	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae_XIV a	Lachnospiraceae_ XIVa_G-2	Lachnospiraceae_XIVa_ G-2
ASV1247	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
						Clostridium XIV	
ASV1356	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	a	Clostridium_XIVa
					Lachnospiraceae_XIV		
ASV663	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Blautia	Blautia_spCOT_337
					Lachnospiraceae_XIV		
ASV1636	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Blautia	Blautia
					Lachnospiraceae_XIV		
ASV1389	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Blautia	Blautia
ASV1012	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Ruminococcus2	Ruminococcus2
ASV1469	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Blautia	Blautia
ASV1520	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Blautia	Blautia
					Lachnospiraceae_[XI	Lachnospiraceae_	
ASV1192	Bacteria	Firmicutes	Clostridia	Clostridiales	[V]	[G-10]	Lachnospiraceae_[G-10]
					Lachnospiraceae_[XI	Lachnospiraceae_	•
ASV1494	Bacteria	Firmicutes	Clostridia	Clostridiales	[V]	[G-10]	Lachnospiraceae_[G-10]
					Lachnospiraceae_XIV		
ASV890	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella_spCOT_048
					Lachnospiraceae_XIV		
ASV55	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella_spCOT_158
					Lachnospiraceae_XIV		
ASV1436	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella
					Lachnospiraceae_XIV		
ASV1598	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella
					Lachnospiraceae_XIV		
ASV354	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella_spCOT_025
					Lachnospiraceae_XIV		
ASV502	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella
					Lachnospiraceae_[XI		
ASV1358	Bacteria	Firmicutes	Clostridia	Clostridiales	[V]	Catonella	Catonella

					Lachnospiraceae_XIV		
ASV163	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella
					Lachnospiraceae_XIV		
ASV298	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella_spCOT_257
					Lachnospiraceae_XIV		
ASV448	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella
					Lachnospiraceae_XIV		
ASV1196	Bacteria	Firmicutes	Clostridia	Clostridiales	a	Catonella	Catonella
ACNESC	Destante	Eine instan	Clastel 1: a	C1 (- : 4! - 1	Lachnospiraceae_XIV	C-411-	Catanalla
ASV556	Bacteria	Firmicutes	Clostridia	Clostridiales	l calendarius saca VIV	Catonella	Catonella
ASV151	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae_XIV	Catonella	Catonella_spCOT_160
ASVIJI	Bacteria	Tillineutes	Closuluia	Ciostitulales	a Lachnospiraceae_XIV	Catoliella	Catoliena_spCO1_100
ASV483	Bacteria	Firmicutes	Clostridia	Clostridiales	a Lacimospiraceae_Xi v	Catonella	Catonella
ASV697	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnospiraceae	Lachnospiraceae
ASV970	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnospiraceae	Lachnospiraceae
ASV1060	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1137	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV848	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-4	G-4
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV357	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-4	G-4
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV616	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-4	G-4
1 GY 1 CO			G1	G1	Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV60	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-5	G-5
A CX /250	Destaria	Eine instan	Clastel 1: a	C1 (-: 4: -1 - 1	Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV358	Bacteria	Firmicutes	Clostridia	Clostridiales	a VIV	XIVa_G-5	G-5
ASV242	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae_XIV	Lachnospiraceae_ XIVa_G-5	Lachnospiraceae_XIVa_ G-5
A3 V 242	Dacteria	Fiffificutes	Ciosuluia	Ciostitutates	a Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1574	Bacteria	Firmicutes	Clostridia	Clostridiales	a Lacinospiraceae_XIV	XIVa_G-5	G-5
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1610	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6

					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1197	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1281	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV21	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV133	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1122	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV92	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV165	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV425	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV1114	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV539	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV215	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
					Lachnospiraceae_XIV	Lachnospiraceae_	Lachnospiraceae_XIVa_
ASV704	Bacteria	Firmicutes	Clostridia	Clostridiales	a	XIVa_G-6	G-6
ASV1262	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnospiraceae	Lachnospiraceae
ASV1679	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae	Lachnospiraceae	Lachnospiraceae
ASV875	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_IV	Faecalibacterium	Faecalibacterium
						Clostridiales_IV_	
ASV1597	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_IV	G-3	Clostridiales_IV_G-3
ASV1690	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Anaerotruncus	Anaerotruncus
ASV1194	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae	Ruminococcaceae
						Acetanaerobacteri	
ASV1388	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	um	Acetanaerobacterium

						Clostridiales_III_	
ASV247	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	G-3	Clostridiales_III_G-3
						Clostridiales_III_	
ASV1014	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	G-3	Clostridiales_III_G-3
						Clostridiales_III_	
ASV599	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	G-2	Clostridiales_III_G-2
ASV832	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	Clostridiales_III_ G-2	Clostridiales_III_G-2
ASV1611	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV292	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	Clostridiales_III_ G-1	Clostridiales_III_G-1
A3 V 292	Bacteria	Fiffilicutes	Ciosuluia	Ciostifulates	Closuldiales_III	Clostridiales_III_	Closuldiales_III_G-1
ASV703	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	G-1	Clostridiales_III_G-1
115 1 7 05	Bucteria	1 mmeates	Closulaia	Ciostituiuios	Crosurarares_III	Clostridiales_III_	
ASV742	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_III	G-1	Clostridiales_III_G-1
					_	Clostridiales_IV_	
ASV529	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_IV	G-2	Clostridiales_IV_G-2
						Clostridiales_IV_	
ASV761	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_IV	G-2	Clostridiales_IV_G-2
ASV1514	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae	Ruminococcaceae
ASV1548	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Ruminococcaceae	Ruminococcaceae
						Clostridiales_IV_	
ASV281	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_IV	G-1	Clostridiales_IV_G-1
				<u> </u>		Clostridiales_IV_	
ASV643	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_IV	G-1	Clostridiales_IV_G-1
ASV859	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Intestinimonas	Intestinimonas
ASV707	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Intestinimonas	Intestinimonas
ASV750	Bacteria	Firmicutes	Clostridia	Clostridiales	Ruminococcaceae	Intestinimonas	Intestinimonas
							Synergistales_G-
ASV935	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	1_spCOT_180
ASV1231	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV811	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV33	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1

ASV715	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV753	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV959	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV913	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1088	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV855	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV805	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV19	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G- 1_spCOT_178
ASV81	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV566	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1287	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV344	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV919	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G- 1_spCOT_094
ASV1025	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV251	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV816	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Fretibacterium	Fretibacterium_spHMT _361
ASV1256	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1406	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Fretibacterium	Fretibacterium
ASV328	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1313	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Fretibacterium	Fretibacterium_spHMT362
ASV1339	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales	Synergistales	Synergistales
ASV586	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Fretibacterium	Fretibacterium_fastidiosu m
ASV670	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Fretibacterium	Fretibacterium
ASV1594	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1638	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1

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ASV1303	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV639	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV692	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1501	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1623	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1720	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1481	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1508	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-1	Synergistales_G-1	Synergistales_G-1
ASV1682	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales	Synergistales	Synergistales
ASV1404	Bacteria	Synergistetes	Synergistia	Synergistales	Dethiosulfovibrionace ae	Pyramidobacter	Pyramidobacter
ASV1699	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Aminivibrio	Aminivibrio
ASV248	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistales_F-2	Synergistales_G-2	Synergistales_G- 2_spCOT_138
ASV1009	Bacteria	Synergistetes	Synergistia	Synergistales	Synergistaceae	Synergistes	Synergistes
ASV809	Bacteria	Firmicutes	Clostridia	Clostridiales	Syntrophomonadaceae _[VIII]	Syntrophomonada ceae_[VIII][G-1]	Syntrophomonadaceae_[VIII][G-1]
ASV1632	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1362	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus
ASV1512	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus
ASV462	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus_spCOT _078
ASV1071	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus
ASV740	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus
ASV1030	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus
ASV1141	Bacteria	Proteobacteria	Deltaproteob acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus

			Deltaproteob				
ASV1408	Bacteria	Proteobacteria	acteria	Desulfobacterales	Desulfobulbaceae	Desulfobulbus	Desulfobulbus
ASV1684	Bacteria	Chlorobi	Chlorobi_C-1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
ASV1711	Bacteria	Chlorobi	Chlorobi_C-1	Chlorobi_O-1	Chlorobi_F-1	Chlorobi_G-1	Chlorobi_G-1
ASV696	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F-2,G-1	Clostridiales_F-2,G-1
ASV1369	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F-2,G-1	Clostridiales_F-2,G-1
ASV269	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-1	Clostridiales_F-2,G-1
ASV86	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-1	Clostridiales_F-2,G-1
ASV810	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-1	Clostridiales_F-2,G-1
ASV1756	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-1	Clostridiales_F-2,G-1
ASV390	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-2	Clostridiales_F-2,G-2
ASV1252	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-3	Clostridiales_F-2,G-3
ASV1702	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-2	Clostridiales_F- 2,G-3	Clostridiales_F-2,G-3
ASV1634	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV404	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	Clostridiales_F- 1,G-5	Clostridiales_F-1,G-5
ASV660	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	Clostridiales_F- 1,G-6	Clostridiales_F-1,G-6
ASV879	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	Clostridiales_F- 1,G-6	Clostridiales_F-1,G-6
ASV82	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	Clostridiales_F-1,G-2	Clostridiales_F-1,G-2

						Clostridiales_F-	
ASV1019	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-2	Clostridiales_F-1,G-2
						Clostridiales_F-	
ASV329	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-2	Clostridiales_F-1,G-2
						Clostridiales_F-	
ASV1162	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-2	Clostridiales_F-1,G-2
						Clostridiales_F-	
ASV304	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-2	Clostridiales_F-1,G-2
						Clostridiales_F-	
ASV677	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-2	Clostridiales_F-1,G-2
						Clostridiales_F-	
ASV1340	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-2	Clostridiales_F-1,G-2
						Clostridiales_F-	
ASV469	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-1	Clostridiales_F-1,G-1
						Clostridiales_F-	
ASV1445	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-1	Clostridiales_F-1,G-1
						Clostridiales_F-	
ASV736	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-1	Clostridiales_F-1,G-1
A GX X1 4 60			G1			Clostridiales_F-	
ASV1463	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-4	Clostridiales_F-1,G-4
A CX 71 5 4 5	ъ .	T	C1 1:	C1 1		Clostridiales_F-	
ASV1545	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	1,G-4	Clostridiales_F-1,G-4
A CX/1050	Dantania	Eine instant	C1(-: 1: -	C1 (-: 1: -1	Classificher E 1	Clostridiales_F- 1.G-4	Classification E 1 C 4
ASV1058	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales_F-1	Clostridiales_F-	Clostridiales_F-1,G-4
ASV1076	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales F-1	1,G-4	Clostridiales F-1,G-4
						<u> </u>	
ASV1468	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1697	Bacteria	Firmicutes	Clostridia	Clostridiales	Christensenellaceae	Christensenella	Christensenella
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV50	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-3	I_G-3
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV797	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-3	I_G-3
A GX X 4 G C		F	G1		Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV439	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-3	I_G-3

ASV130	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I G-3
ASV365	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV440	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV630	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV733	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV181	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV254	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV393	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV315	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV1426	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV1672	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV494	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV961	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-3	Peptostreptococcaceae_X I_G-3
ASV186	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-5	Peptostreptococcaceae_X I_G-5
ASV1255	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-5	Peptostreptococcaceae_X I_G-5
ASV24	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-5	Peptostreptococcaceae_X I_G-5
ASV80	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-5	Peptostreptococcaceae_X I_G-5

ASV555	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-5	Peptostreptococcaceae_X I_G-5
ASV1413	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV32	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV168	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV284	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV914	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV15	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV618	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-4	Peptostreptococcaceae_X I_G-4
ASV138	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Parvimonas	Parvimonas_spCOT_03 5
ASV179	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Parvimonas	Parvimonas
ASV113	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Parvimonas	Parvimonas_spCOT_10
ASV405	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptoniphilaceae	Parvimonas	Parvimonas
ASV608	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptoniphilaceae	Parvimonas	Parvimonas
ASV881	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Parvimonas	Parvimonas
ASV249	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Peptostreptococca ceae_XIII_G-1	Peptostreptococcaceae_X III_G-1
ASV72	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Peptostreptococca ceae_XIII_G-1	Peptostreptococcaceae_X III_G-1
ASV1561	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Peptostreptococca ceae_XIII_G-1	Peptostreptococcaceae_X III_G-1
ASV747	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XIII	Peptoniphilus	Peptoniphilus

						Peptoniphilaceae_	
ASV139	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptoniphilaceae	[G-1]	Peptoniphilaceae_[G-1]
						Peptoniphilaceae_	
ASV1133	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptoniphilaceae	[G-1]	Peptoniphilaceae_[G-1]
						Peptoniphilaceae_	
ASV627	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptoniphilaceae	[G-2]	Peptoniphilaceae_[G-2]
					Peptostreptococcaceae		
ASV350	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella_spCOT_029
					Peptostreptococcaceae		
ASV359	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella
					Peptostreptococcaceae		
ASV258	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella_spCOT_029
					Peptostreptococcaceae		
ASV1016	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella
					Peptostreptococcaceae		
ASV828	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella
					Peptostreptococcaceae		
ASV122	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella
					Peptostreptococcaceae		
ASV1057	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Tissierella	Tissierella
					Clostridiales_Incertae_		
ASV1458	Bacteria	Firmicutes	Clostridia	Clostridiales	Sedis_XI	Tepidimicrobium	Tepidimicrobium
					Clostridiales_Incertae_		
ASV814	Bacteria	Firmicutes	Clostridia	Clostridiales	Sedis_XI	Murdochiella	Murdochiella
					Clostridiales_Incertae_		
ASV1097	Bacteria	Firmicutes	Clostridia	Clostridiales	Sedis_XI	Murdochiella	Murdochiella
					Peptostreptococcaceae		Helcococcus_spCOT_1
ASV146	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Helcococcus	40
					Peptostreptococcaceae		
ASV131	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Helcococcus	Helcococcus
					Peptostreptococcaceae		
ASV782	Bacteria	Firmicutes	Clostridia	Clostridiales	_XIII	Helcococcus	Helcococcus
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV442	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-11	I_G-11

ASV1144	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-11	Peptostreptococcaceae_X I_G-11
ASV1315	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _[XI]	Peptostreptococca ceae_[XI][G-1]	Peptostreptococcaceae_[XI][G-1]
ASV1470	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-6	Peptostreptococcaceae_X I_G-6
ASV974	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-6	Peptostreptococcaceae_X I_G-6
ASV1301	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-6	Peptostreptococcaceae_X I_G-6
ASV610	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-11	Peptostreptococcaceae_X I_G-11
ASV916	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _[XI]	Peptostreptococca ceae_[XI][G-9]	Peptostreptococcaceae_[XI][G-9]
ASV1434	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-11	Peptostreptococcaceae_X I_G-11
ASV1379	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1502	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1234	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI	Peptostreptococcaceae_X I
ASV104	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-6	Peptostreptococcaceae_X I_G-6
ASV213	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-12	Peptostreptococcaceae_X I_G-12
ASV451	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-7	Peptostreptococcaceae_X I_G-7
ASV709	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-7	Peptostreptococcaceae_X I_G-7
ASV140	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV471	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV998	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10

ASV1206	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV210	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV689	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV121	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV364	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV485	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV540	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-10	Peptostreptococcaceae_X I_G-10
ASV1424	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _[XI]	Peptostreptococca ceae_[XI]	Peptostreptococcaceae_[XI]
ASV1459	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV1683	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiales	Clostridiales	Clostridiales
ASV321	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-8	Peptostreptococcaceae_X I_G-8
ASV1429	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-8	Peptostreptococcaceae_X I_G-8
ASV1081	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-8	Peptostreptococcaceae_X I_G-8
ASV1167	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI	Peptostreptococcaceae_X I
ASV1663	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-8	Peptostreptococcaceae_X I_G-8
ASV1442	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _[XI]	Peptostreptococca ceae_[XI][G-6]	Peptostreptococcaceae_[XI][G-6]
ASV1478	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _[XI]	Peptostreptococca ceae_[XI][G-6]	Peptostreptococcaceae_[XI][G-6]
ASV1131	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-9	Peptostreptococcaceae_X I_G-9

ASV982	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae XI G-9	Peptostreptococcaceae_X I_G-9
ASV669	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-9	Peptostreptococcaceae_X I G-9
ASV837	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-9	Peptostreptococcaceae_X I_G-9
ASV1028	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-9	Peptostreptococcaceae_X I_G-9
ASV62	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella
ASV283	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella_spCOT_0 07
ASV716	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella
ASV250	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella_spCOT_0 32
ASV87	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella_spCOT_0 32
ASV1083	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella
ASV1238	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Proteocatella	Proteocatella_spCOT_0 58
ASV1710	Bacteria	Firmicutes	Clostridia	Clostridiales	Lachnospiraceae_[XI V]	Lachnospiraceae_ [G-8]	Lachnospiraceae_[G-8]
ASV1105	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Clostridium_XI	Clostridium_XI
ASV1319	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Clostridium_XI	Clostridium_XI
ASV1499	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Peptostreptococcu s	Peptostreptococcus
ASV401	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococcu s	Peptostreptococcus
ASV850	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Peptostreptococcu s	Peptostreptococcus

ASV197	Doctorio	Firmioutos	Clostridia	Clostridiales	Domtostmentosososos	Peptostreptococcu	Peptostreptococcus_anaer
A3 V 197	Bacteria	Firmicutes	Ciostridia	Ciostridiales	Peptostreptococcaceae	S Dont a stranta a a a a a	obius
ASV1200	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Peptostreptococcu s	Peptostreptococcus
					Peptostreptococcaceae		
ASV107	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	Filifactor	Filifactor
ASV234	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Filifactor	Filifactor_spCOT_163
ASV1186	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Filifactor	Filifactor
					Peptostreptococcaceae		
ASV68	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	Filifactor	Filifactor
ASV177	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae	Filifactor	Filifactor
ASV43	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I G-2
ASV1048	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I_G-2
ASV246	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I G-2
ASV149	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I G-2
ASV1297	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I G-2
ASV728	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I_G-2
ASV185	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _[XI]	Peptostreptococca ceae_[XI][G-7]	Peptostreptococcaceae_[XI][G-7]
ASV1182	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I_G-2
ASV1305	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-2	Peptostreptococcaceae_X I_G-2
ASV476	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-1	Peptostreptococcaceae_X I_G-1

ASV995	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae XI	Peptostreptococca ceae_XI_G-1	Peptostreptococcaceae_X I G-1
115 7 7 7 5	Bacteria	Timettes	Closulaia	Clostridiaics	Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV648	Bacteria	Firmicutes	Clostridia	Clostridiales	XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV35	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV878	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV1024	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV1595	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV1135	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV887	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV31	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV926	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV1038	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV48	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV603	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV142	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV854	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV904	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1
					Peptostreptococcaceae	Peptostreptococca	Peptostreptococcaceae_X
ASV1146	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1

ASV164	Bacteria	Firmicutes	Clostridia	Clostridiales	Peptostreptococcaceae _XI	Peptostreptococca ceae_XI_G-1	Peptostreptococcaceae_X I_G-1
				~	Peptostreptococcaceae	Peptostreptococca	- r
ASV836	Bacteria	Firmicutes	Clostridia	Clostridiales	_XI	ceae_XI_G-1	I_G-1

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