Supplementary Information

The impact of the *Deepwater Horizon* blowout on historic shipwreck-associated sediment microbiomes in the northern Gulf of Mexico

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Materials and Methods

Sample Collection

Sediment was collected during two expeditions on board R/V *Pelican*: PE14-15 and PE15-02 in March and July 2014, respectively, as part of the Gulf of Mexico Shipwreck Corrosion, Hydrocarbon Exposure, Microbiology, and Archaeology (GOM-SCHEMA) project (https://www.boem.gov/GOM-SCHEMA) using the *Global Explorer* remotely operated vehicle (GEX-ROV - Deep Sea Systems International, http://www.deepseasystems.com). Prior to sample collection, a visual survey of each shipwreck was performed to update archaeological site plans and identify suitable areas for sediment sampling that are devoid of archaeological materials. During surveys, no visual evidence of shipwreck damage from NRDA or other sampling efforts was observed.

A requirement for sampling was the ability to obtain sediment within 2 m of each shipwreck without damaging the archaeological sites, including cultural materials within their associated debris fields. Using an Orion 7-function manipulator arm, *Jason*-style push corers obtained 2.5 in. inner diameter (ID) sediment cores within 2 m of each wreck, and away from the primary wreck sites, and debris fields, (100–200 m distance) (Figure 2). Project archaeologists and archaeological site plans were consulted to determine sampling locations. Replicate cores for various analyses were obtained. Cores were extruded into 2.5 in. ID tubes and sampled destructively at 2 cm resolution. Sediment for genetic analysis was placed into sterile, PCR clean tubes, immediately frozen at -20°C, and stored at -80°C. Samples for gravimetric porosity were collected in whirl-pack bags and stored refrigerated. Samples for hydrocarbon analysis and bulk organic carbon analysis were placed in whirl-pack bags and stored at -20°C.

DNA extraction and sequencing of 16S rRNA gene amplicons

Genomic DNA was extracted using a modification of the FastDNA[™] protocol described elsewhere ¹. Total genomic DNA was quantified using the Qubit® 2.0 Flurometric Quantitation system (Invitrogen, Carlsbad, CA, USA). Approximately 2 ng/µL of template was sent to the Integrated Microbiome Resource (IMR) facility at Dalhousie University (Halifax, Nova Scotia, Canada) for 16S rRNA gene amplification and sequencing. PCR amplifications were carried out in 50-µL reactions described by Comeau et al. ², using fusion primers B969F/BA1406 and A956F/A1401R to target the V6-V8 regions of the 16S rRNA gene for bacteria and archaea, respectively. PCR products were screened with an Invitrogen 96-well E-gel, and duplicates were pooled into a single plate, cleaned, and normalized. Samples were analyzed on an Illumina MiSeq platform to generate paired-end sequences.

Bioinformatics, sequence quality control and calculation of alpha diversity metrics were carried out in a pipeline generated with UPARSE ³ and Quantitative Insights into Microbial Ecology (QIIME) ⁴. Shannon Diversity was calculated for both rarefied and un-rarefied datasets. UPARSE was used to merge paired-end sequences with a minimum merge length of 200 base pairs (bps) and a maximum difference of 32 bps in the overlap region (20% error rate). Merged sequences were quality filtered, discarding reads with a maximum number of expected errors >0.5 (based on Phred quality scores) ⁵. Sequences were dereplicated, with unique sequences serving as OTUs; remaining sequences were assigned to OTUs based on greedy clustering and \geq 97% sequence similarity. Chimeric sequences were removed and singletons were included in the library. A table containing the relative abundance of OTUs in each sample was generated and used for taxonomic identification and phylogenetic alignment using UCLUST and the GreenGenes reference database (v 13.8) ⁶.

Bacterial 16S rRNA sequence data were also processed through Phylogenetic Investigation of Communities by Reconstruction of Unobserved States (PICRUSt 1.1.0) to predict metagenome functional content ⁷. Sequences processed up to the dereplication step were run through the "pick closed reference" pipeline in QIIME. The OTU table was normalized by predicted 16S rRNA copy and through PICRUSt to predict trait abundances based on KEGG orthologs. KEGG predictions were collapsed into KEGG pathways (K3 level) and visualized using Statistical Analysis of Metagenomic Profiles (STAMP v2.1.3)⁸.

Sediment Physical Properties

Sediment porosity was determined from the volume of the porewater and total volume as determined from wet and dry weights, and water and grain density. A PentaPycnometer, which uses a helium gas to fill a chamber of known size, was used to determine sediment volume and density. Sediment accumulation rates were determined using measurements of Pb-210 excess activity (Pb-210_{xs}) at the Louisiana State University, Department of Geology. The top 10 cm below the seafloor (cmbsf) were evaluated. The sedimentation rate (S) was determined as follows: $S = \frac{\lambda(z)}{\ln A_z}$, where *l* is the decay constant for radionuclide Pb-210 (ln 2/t_{1/2} = 0.03114 yr⁻¹), which has a half-life (t_{1/2}) of 22 years, *z* is the distance below the sediment at the top interval, and *Az* is the excess activity of Pb-210 at a distance *z* below *Ao*. In the case of Pb-210, Pb-210_{xs} is measured as the total activity of Pb-210 (Pb-210_{tot}) above that which is supported by activity from other related radionuclides.

Hydrocarbon Analyses

Analyses were not conducted on Mardi Gras and Viosca Knoll samples, as they were not visited during the first GOM-SCHEMA cruise in March 2014 due to weather complications. All

glassware was washed, wrapped in foil, and combusted at 500°C for 4 hours to remove any lingering organic carbon. All non-combustible items, including PTFE stopcocks, metal tools, caps, syringes, and volumetric glassware, were all triple rinsed subsequently with methanol, DCM, and hexane, and allowed to dry before handling. Sediment samples were thawed over a 2-3-hour window at room temperature. Roughly 5–6 grams of thawed sediment was transferred into a 50 mL freshly combusted glass centrifuge tubes. The same amount of combusted sodium sulfate (i.e., 5–6 gram) was added to remove water in the sample. Then, sediment samples were extracted sequentially with two rounds of dichloromethane (DCM):methanol (9:1, 20 mL) and one round of hexane (20 mL). For each round of extraction, the sediment sample was placed in a horn ultrasonicator (XL-2000 Misonix Ultrasonic Liquid Processors, Newtown, CT, USA) for 20 minutes at the maximum setting. The 60 mL eluent from three extraction rounds were combined and reduced to about 5 mL by Buchi rotavapor (BUCHI R-210, BÜCHI Labortechnik AG, Switzerland). The reduced extracts were desulfurized by passing through an activated copper columns and then washed with 4M HCl ($\sim 10 \text{ mL}$), DI water ($\sim 10 \text{ mL}$), methanol (3 x 10 mL), DCM (3 x 10 mL), hexane (3 x 10 mL), sequentially. After desulfurization, extracts were dried by passing through columns, which were made in combusted Pasteur pipettes using a glass wool plug to retain the anhydrous sodium sulfate. The volumes of the extracts were reduced again to about 1 mL by a blowdown nitrogen flow. The extracts were transferred into the 2 mL combusted HPLC vials using 1 mL Hamilton syringe (Hamilton, Reno, NV), and the volume was recorded. The procedural blanks using combusted sand were extracted and carried through the extraction.

Hydrocarbons were analyzed using a LECO Pegasus 4D GCxGC-Time of Flight Mass Spectrometry (ToF-MS) system equipped with an electron ionization source. Briefly, the Pegasus 4D system is comprised of a primary column (10m Rxi-5Sil, 0.25 mm ID x 0.25 um df) and a secondary column (1m Rxi-17Sil, 0.15 mm ID x 0.15 m df). Leak and tune check procedures were performed daily or before sample injections to ensure leak-free and mass calibration. Perfluorotributylamine (PFTBA) was used as the mass calibration compound. All data analysis including automatic peak finding using mass spectral deconvolution were performed using the LECO ChromaTOF-HRT software (version 4.6). PAHs (TCL PAH mix, Supelco, Bellefonte, PA). Total petroleum hydrocarbons (BP surrogate oil) standards were prepared with serial diluted samples in DCM with known amounts, and used as references to quantify PAHs and total petroleum hydrocarbons concentrations in the extracts.

Radiocarbon Analysis

Prior to analysis, samples were treated with 10% HCl to remove carbonates, rinsed, freeze-dried, and ground. Samples were then analyzed for Δ^{14} C. At the Center for Applied Isotope Studies (CAIS) at UGA, samples were combusted and cryogenically purified to generate clean CO₂ ⁹ which were then prepared as graphite targets and analyzed by accelerator mass spectrometry. The purified CO₂ gas was converted to a solid, graphitic carbon by reducing CO₂ in the presence of hydrogen (H₂) at 580°C in an evacuated, closed system in the presence of an iron catalyst. Iron also serves as thermal conductor and binder. Water produced during the reaction was absorbed by magnesium perchlorate. The delta notation (Δ^{14} C) is used to report the measured isotope distributions, as is normalizes the radiocarbon content to a δ^{13} C value of –25‰ and accounts for the time of collection. Samples generally contained ~1000 µg of carbon and the reproducibility was roughly 5%.

Statistical analyses

PRIMER v. 6.1.13 (PRIMER-E Ltd.) was used for statistical analysis of microbiome structure ¹⁰⁻¹². Bray-Curtis dissimilarities were calculated from sequence abundance data without transformation. Non-metric multidimensional scaling (NMDS) ordination of Bray-Curtis dissimilarities was performed to yield a 'best fit' 2D graphical representation of similarities in sample microbiomes. Hierarchical clustering analysis (CLUSTER) was used to generate similarity dendrograms based on group average linkage. ANOSIM was used to identify differences in microbiomes between sample groups. SIMPER was run with a 90% cutoff and used to rank the percent contribution of individual phylotypes to within group similarity or between group differences.

References

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Supplimentary Figure Legends

Figure S1. Comparison of bacterial community composition in push cores samples collected within 2 m of seven shipwreck sites during PE14-15 (March 2014) and PE15-02 (July 2014) and samples collected away from the wreck site during July 2014. Data for each site are displayed as depth profiles in cm below seafloor (cmbsf). Class level relative sequence abundance for all major classes (representing greater than 1% of total population) are displayed.

Figure S2. Comparison of archaeal community composition in push cores samples collected within 2 m of seven shipwreck sites during PE14-15 (March 2014) and PE15-02 (July 2014) and samples collected away from the wreck site during July 2014. Data for each site are displayed as depth profiles in cm below seafloor (cmbsf). Class level relative sequence abundance for all major classes (representing greater than 1% of total population) are displayed.

Figure S3. PICRUSt predicted metagenome contributions identifying the proportion of sequences with pathway predictions for naphthalene degradation, PAH degradation, and metabolism of xenobiotics by cytochrome P450 in surface sediments. Stars on boxes represent the average for each group (site)

Figure S4. Pb-210xs activity profiles for the upper 10 cm of sediment.

Supplementary Figures

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Figure S1.























Acidobacteria Acidobacteria;c_Acidobacteria-6 Acidobacteria;c_BPC102 Acidobacteria;c_OS-K XXXXX Acidobacteria;c_RB25 Acidobacteria;c_Solibacteres Acidobacteria;c_Sva0725 Actinobacteria; c_Actinobacteria 11 / $\sqrt{111}$ Actinobacteria;c_OPB41 Actinobacteria;c_Thermoleophilia Bacteroidetes;c_[Rhodothermi] ***** Bacteroidetes;c_[Saprospirae] Bacteroidetes;c_Bacteroidia Bacteroidetes;c_Cytophagia Bacteroidetes;c_Flavobacteriia Caldithrix ~~~~ Chlamydiae;c Chlamydiia Chlorobi;c_Ignavibacteria Chloroflexi;c_Anaerolineae Chloroflexi;c_Dehalococcoidetes Chloroflexi;c Ellin6529 Chloroflexi;c_S085 ///// Chloroflexi;c_TK17 Cyanobacteria;c_Synechococcophycideae Firmicutes;c Bacilli Firmicutes;c_Clostridia Fusobacteria;c_Fusobacteriia Gemmatimonadetes [//// Gemmatimonadetes;c_Gemm1,2,4,6 GN04 KSB3 Lentisphaerae;c [Lentisphaeria] NC10;c_wb1-A12 Nitrospirae;c_Nitrospira NKB19 No Clear Affiliation MIN OP3 OP8;c_OP8_1 Planctomycetes Planctomycetes;c [Brocadiae] Planctomycetes;c_ODP123 Planctomycetes;c_OM190 Planctomycetes;c_Phycisphaerae Planctomycetes;c_Pla3 Planctomycetes;c_vadinHA49 Proteobacteria;c_Alphaproteobacteria Proteobacteria; Betaproteobacteria Proteobacteria;c_Deltaproteobacteria Proteobacteria;c_Gammaproteobacteria SAR406;c_AB16 Spirochaetes;c_[Brachyspirae] MWSpirochaetes;c_[Leptospirae] ***** Spirochaetes;c_Spirochaetes TM6;c_SBRH58 TM6;c_SJA-4 Verrucomicrobia;c_Opitutae Verrucomicrobia;c_Verruco-5 Verrucomicrobia; Verrucomicrobiae WS3;c PRR-12





Figure S2.



No Clear Affiliation
Crenarchaeota;Other
Crenarchaeota
Crenarchaeota;cAigarchaeota
Crenarchaeota;c_Korarchaeota
Crenarchaeota;c_MBGA
Crenarchaeota;c_MBGB
Crenarchaeota; MCG
Crenarchaeota;c_MHVG
Crenarchaeota;c THSCG
Crenarchaeota; Thaumarchaeota
Crenarchaeota; Thermoprotei
Euryarchaeota;c ANME-1
Euryarchaeota;c DSEG
Euryarchaeota; Halobacteria
Euryarchaeota;cMethanobacteria
Euryarchaeota;cMethanococci
Euryarchaeota;cMethanomicrobia
Euryarchaeota;cThermoplasmata
[Parvarchaeota];c_[Micrarchaea]
[Parvarchaeota];c_[Parvarchaea]



No Clear Amiliation
Crenarchaeota;Other
Crenarchaeota
Crenarchaeota;cAigarchaeota
Crenarchaeota;c Korarchaeota
Crenarchaeota:c MBGA
Crenarchaeota; MBGB
Crenarchaeota; MCG
Crenarchaeota;c MHVG
Crenarchaeota;c THSCG
Crenarchaeota;cThaumarchaeota
Crenarchaeota;cThermoprotei
Euryarchaeota;c ANME-1
Euryarchaeota;c_DSEG
Euryarchaeota; Halobacteria
Euryarchaeota;c Methanobacteria
Euryarchaeota;c Methanococci
Euryarchaeota; Methanomicrobia
Eurvarchaeota; Thermoplasmata
[Parvarchaeota]:c [Micrarchaea]
[Parvarchaeota]:c [Parvarchaea]



No Clear Affiliation Crenarchaeota;Other Crenarchaeota Crenarchaeota;c__Aigarchaeota ***** Crenarchaeota;c Korarchaeota Crenarchaeota;c_ MBGA Crenarchaeota;c MBGB Crenarchaeota;c MCG MHVG Crenarchaeota;c Crenarchaeota;c THSCG Crenarchaeota;c Thaumarchaeota ~~~~~ Crenarchaeota;c_ Thermoprotei Euryarchaeota;c ANME-1 Euryarchaeota;c_ DSEG FFF Euryarchaeota;c_ Halobacteria Euryarchaeota;c_ Methanobacteria Euryarchaeota;c_ Methanococci Euryarchaeota;c__Methanococci Euryarchaeota;c__Methanomicrobia Euryarchaeota;c__Thermoplasmata [Parvarchaeota];c__[Micrarchaea] [Parvarchaeota];c__[Parvarchaea]



No Clear Affiliation
Crenarchaeota;Other
Crenarchaeota
Crenarchaeota;cAigarchaeota
Crenarchaeota;c Korarchaeota
Crenarchaeota;c MBGA
Crenarchaeota; MBGB
Crenarchaeota; MCG
Crenarchaeota; MHVG
Crenarchaeota; THSCG
Crenarchaeota;cThaumarchaeota
Crenarchaeota;cThermoprotei
Euryarchaeota;c_ANME-1
Euryarchaeota;c_DSEG
Euryarchaeota; Halobacteria
Euryarchaeota; Methanobacteria
Euryarchaeota; Methanococci
Euryarchaeota; Methanomicrobia
Euryarchaeota; Thermoplasmata
[Parvarchaeota];c [Micrarchaea]
[Parvarchaeota];c_[Parvarchaea]



	No Clear Affiliation
	ZZZ Crenarchaeota;Other
	Crenarchaeota
**	🐯 Crenarchaeota;c Aigarchaeota
	Crenarchaeota; Korarchaeota
	Crenarchaeota; MBGA
	E Crenarchaeota; MBGB
	Crenarchaeota; MCG
	Crenarchaeota;c MHVG
	Crenarchaeota;c THSCG
	Crenarchaeota; Thaumarchaeota
	Crenarchaeota; Thermoprotei
	Euryarchaeota; ANME-1
	Euryarchaeota;c DSEG
	Euryarchaeota; Halobacteria
	Euryarchaeota;c_Methanobacteria
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	Euryarchaeota;cMethanomicrobia
	Euryarchaeota;c_Thermoplasmata
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	III [Parvarchaeota];c [Parvarchaea]



No Clear Affiliation
Crenarchaeota;Other
Crenarchaeota; Aigarchaeota
Crenarchaeota: Korarchaeota
Crenarchaeota: MBGA
Crenarchaeota: MBGB
Crenarchaeota: MCG
Crenarchaeota: MHVG
Crenarchaeota:c THSCG
Crenarchaeota: Thaumarchaeota
Crenarchaeota; Thermoprotei
Euryarchaeota;c ANME-1
Euryarchaeota;c DSEG
Euryarchaeota; Halobacteria
Euryarchaeota; Methanobacteria
Euryarchaeota;c Methanococci
Euryarchaeota; Methanomicrobia
Euryarchaeota; Thermoplasmata
[Parvarchaeota];c [Micrarchaea]
[Parvarchaeota];c_[Parvarchaea]







Figure S3.



Figure S4.

		Near Shipwreck (1-2 m) Away from Shipwreck (100-200 m)						0 m)	
Shipwreck	Depth	Good's	Good's	Chao 1	Chao 1	Good's	Good's	Chao 1	Chao 1
	(cmbsf)	Bacteria	Archaea	Bacteria	Archaea	Bacteria	Archaea	Bacteria	Archaea
Halo	0-10	0.87	0.99	4447	1399	0.68	0.83	3071	766
	11-22	0.88	0.99	3749	1308	0.85	0.99	3096	1503
Ewing Bank	0-10	0.86	0.99	3512	731	0.67	0.83	1565	174
	11-22	0.90	0.99	2991	803	0.85	0.99	2415	924
Mica	0-10	0.86	1.00	3090	691	0.71	0.82	2655	449
	11-22	0.88	1.00	3130	859	0.85	0.99	2363	958
U-166	0-10	0.87	1.00	2460	466	0.70	0.83	1457	450
	11-22	0.85	0.99	2581	663	0.85	0.99	2243	779
Mardi Gras	0-10	0.66	0.79	1180	192	0.72	0.82	1899	248
	11-20	nd	nd	nd	nd	0.88	0.97	2484	381
Anona	0-10	0.88	1.00	3494	680	nd	nd	nd	nd
	11-18	0.90	0.91	1378	1359	nd	nd	nd	nd
Viosca Knoll	0-10	0.71	0.83	2320	457	0.72	0.83	2736	632
	11-20	0.87	0.99	3006	877	0.87	0.99	3928	896

Table S1. Coverage and richness indices for surface (0–10 cm below seafloor, cmbsf) and deep (11–22 cmbsf) sediment samples collected proximate to and away from shipwrecks.

Table S2. Similarity Percent (SIMPER) analysis, identifying bacterial drivers of within group similarity, and between group dissimilarity. Group Halo

p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Proteobacteria;c_Deltaproteobacteria;o_f;g_;s	0.15 0.11 0.11 0.16 0.12 0.14 0.15	0.21 0.16 0.12 0.22 0.1 0.13 0.12	0.28 0.25 0.23 0.22 0.2 0.2 0.2 0.2	1.67 1.62 1.63 1.62 1.37 1.52 1.33	0.83 0.73 0.68 0.64 0.61 0.59 0.59	2.83 3.56 4.24 4.88 5.48 6.07 6.66
Average dissimilarity = 33.67 Species p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae:g_;s_	Group <i>Halo</i> Av.Abund 0.14 0.25	Group Mica Av.Abund 0.09 0.29	Av.Diss 0.37 0.31	Diss/SD 1 1.27	Contrib% 1.09 0.91	Cum. 1.09 2
Groups Halo & Mica						
p_acteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.17	1.13	2.72	1.84	10.65	
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Planctomycetes:c_Phycisphaerae:o_MSBL9;f_;g_:s	0.23 0.2	1.21 1.2	1.68 1.62	1.96 1.95	6.86 8.81	
Unassigned;Other;Other;Other;Other;Other	0.22	1.39	10.69	2.39	4.9	
Group Mardi Gras Average similarity: 61.44 Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%	
p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_	0.17	1.21	8.55	1.63	11.56	
Unassigned;Other;Other;Other;Other;Other;Other	0.17	1.21	9.3	1.63	9.93	
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_;g_;s_	0.17 0.17	1.23	19.71 13.46	1.65 1.65	6.66 8.3	
p_rotocoacteria,c_Ganniaprotecoacteria,o_Informaticates,t_riscffickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_	0.35	1.47	13.08	1.98	5.02	
Group Viosca Knoll Average similarity: 74.17 Species Pertopacteria: Commanzateobacteria: Thiotrichelas: Pissiriakatteiaseaara re	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%	
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_;g_;s_	0.16	1.21	7.67	1.88	10.86	
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_	0.21 0.18	1.47 1.21	4.79 3.2	2.29 1.89	7.09 8.98	
Unassigned;Other;Other;Other;Other;Other;Other	0.2	1.49	11.4	2.32	4.79	
Species p Proteobacteria:c Gammaproteobacteria:o Thiotrichales:f Piscirickettsiaceae:g :s	Av.Abund 0.27	Av.Sim 1.59	Sim/SD 1.6	Contrib% 2.47	Cum.% 2.47	
Group Ewing Bank Average similarity: 64.08						
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_	0.16 0.17	1.1 1.04	13.77 3.81	1.61 1.53	9.7 11.23	
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.19	1.5	7.82 5.74	1.91	0.32 8.09	
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_	0.2	1.42	16.06	2.08	4.41	
Species p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f Piscirickettsiaceae;g ;s	Av.Abund 0.27	Av.Sim 1.59	Sim/SD 3.45	Contrib% 2.33	Cum.% 2.33	
Group Anona Average similarity: 68.20						
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.2	1.52	9.58 6.86	2.30	8.20 10.61	
p_Proteobacteria;c_Gammaproteobacteria;o_1hiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-j;g_;s_ UnangingerichtenerOthenerOthenerOthenerOthener	0.29 0.24 0.2	1.91 1.88	2.46 9.62	2.97 2.92	2.97 5.89 8.26	
Group U-166 Average similarity: 64.24 Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%	
p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_;g_;s_	0.14	1.03	16.54	1.48	10.3	
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_ Unassigned:Other:Other:Other:Other:Other:Other	0.21	1.4	3.84 13.2	2.01 1.86	6.96 8.82	
p_Proteobacteria;c_Gammaproteobacteria;o_Informales;t_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_	0.29	1.55	4.25 9.94	2.73	2.73 4.95	
Average similarity: 69.65 Species	Av.Abund	Av.Sim	Sim/SD	Contrib%	Cum.%	
p_Acidobacteria;c_Sva0725;o_Sva0725;f_;g_;s_ Group Mica	0.14	0.92	6.03	1.28	11.05	
p_Proteobacteria;c_Deitaproteobacteria;o_NB1-j;t_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_	0.15	1.03	4.42	1.44	8.36 9.77	
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_	0.16	1.03	5.9	1.44	6.92 8.36	
Unassigned;Other;Other;Other;Other;Other;Other p Proteobacteria;c Deltaproteobacteria;o Myxococcales;f ;g ;s	0.2 0.16	1.35 1.07	8.13 15.49	1.88 1.49	3.99 5.48	
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.25	1.51	3.33	2.11	2.11	
Average similarity: 71.68	Av Abund	Av Sim	Sim/SD	Contrib%	Cum %	

Cum.% 1.09

p_OP8;c_OP8_1;o_;f_;g_;s_

p_Fusobacteria;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Propionigenium;s_	0.07	0.02	0.2	2.25	0.58	7.82
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_	0.1	0.07	0.19	1.39	0.57	8.4
p_Lenusphaerae;c_Lenusphaeraj;o_Lenusphaeraee;r_g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Oceanospirillales;f_Endozoicimonaceae;g_;s_	0.08	0.03	0.19	1.75	0.55	8.95 9.5
Groups Halo & U-166 Average dissimilarity = 38.90						
	Group Halo	Group U-166				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_	0.14	0.08	0.41	1.04	1.05	1.05
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.25	0.29	0.41	1.53	1.05	2.1
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.11	0.16	0.4	1.49	1.03	3.12
p_NC10;c_wb1-A12;o_;t_;g_;s_	0.02	0.11	0.35	2.37	0.91	4.03
p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;t_;g_;s_	0.11	0.11	0.32	1.94	0.83	4.86
p_Proteobacteria;a_Daltamatocobacteria;a_NP1 i:f_NP1 i:g_:a	0.12	0.2	0.31	1.57	0.8	5.00
p_rioteobacteria:c_Deltaproteobacteria:o_Desulfabacterales:f_Desulfabacteraceae:g_Desulfacoccus:s	0.10	0.24	0.29	1.59	0.70	0.42
p_rioteobacteria;c_Deltaproteobacteria;o_f :g :s	0.15	0.09	0.23	1.39	0.75	7.85
p_roteobacteria;c_Deltaproteobacteria;orss	0.12	0.05	0.26	1.64	0.67	8.52
p_Lentisphaerae;c_[Lentisphaeria];o_Lentisphaerales;f_;g_;s_	0.08	0.01	0.25	2.25	0.65	9.17
Groups Mica & U-166 Average dissimilarity = 34.96						
	Group Mica	Group U-166				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.16	0.16	0.42	1.77	1.2	1.2
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.29	0.29	0.38	1.45	1.1	2.3
p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	0.12	0.11	0.37	1.51	1.05	3.35
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_	0.13	0.11	0.32	1.51	0.9	4.25
p_NC10;c_wb1-A12;o_;f_;g_;s_	0.04	0.11	0.3	1.93	0.87	5.12
p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_	0.09	0.08	0.3	1.4	0.84	5.96
p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_	0.14	0.19	0.28	1.39	0.81	6.78
p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_	0.16	0.2	0.25	1.34	0.72	7.5
p_Actinobacteria;c_OPB41;o_;t_;g_;s_	0.06	0.1	0.24	1.13	0.69	8.19
p_Proteobacteria,c_Denaproteobacteria,o_Destinobacteriales,1_Destinobulbaceae,g_,s_	0.1	0.06	0.25	1.45	0.00	0.45
p_roteobacteria;c_Gammaproteobacteria;o_Chromatiales;f_Ectothiorhodospiraceae;g_;s_	0.09	0.11	0.21	1.5	0.59	10.02
Groups Halo & Anona Average dissimilarity = 34.63						
Average dissimilarity = 54.05	Group Halo	Group Anona				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p Chloroflexi;c Dehalococcoidetes;o Dehalococcoidales;f Dehalococcoidaceae;g ;s	0.14	0.08	0.38	1	1.09	1.09
p Proteobacteria; Gammaproteobacteria; Thiotrichales; Piscirickettsiaceae; g; s	0.25	0.27	0.33	1.43	0.95	2.04
p Bacteroidetes; c Bacteroidia; o Bacteroidales; f; g; s	0.11	0.14	0.29	2.2	0.82	2.86
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.11	0.16	0.28	1.75	0.81	3.68
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_	0.14	0.15	0.28	2.2	0.8	4.48
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_	0.12	0.13	0.25	1.49	0.72	5.2
p_TM6;c_SJA-4;o_;f_;g_;s_	0.04	0.1	0.22	1.76	0.64	5.84
p_Fusobacteria;c_Fusobacteriia;o_Fusobacteriales;f_Fusobacteriaceae;g_Propionigenium;s_	0.07	0.01	0.22	2.81	0.64	6.47
p_Proteobacteria;c_Deltaproteobacteria;o_;f_;g_;s_	0.15	0.11	0.22	1.37	0.63	7.1
p_Lentisphaerae;c_[Lentisphaeria];o_Lentisphaerales;f_;g_;s_	0.08	0.02	0.21	2.1	0.62	7.71
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;t_Flammeovirgaceae;g_;s_	0.15	0.19	0.21	1.39	0.61	8.32
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;t_Desulfobacteraceae;g_;s_	0.1	0.09	0.19	1.31	0.55	8.8/
p_Proteobacteria;c_Aipnaproteobacteria;o_;T_;g_;s_	0.16	0.17	0.19	1.49	0.54	9.41
Groups Halo & Ewing Bank Average dissimilarity = 37.09						
	Group Halo	Group Ewing Bank			_	_
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Chlorotlexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_	0.14	0.15	0.47	1.24	1.27	1.27
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.25	0.27	0.46	1.41	1.24	2.51
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;t_;g_;s_	0.11	0.16	0.32	1.71	0.87	3.38
p_NC10;c_wb1-A12;o_;t_;g_;s_	0.02	0.1	0.31	1.72	0.83	4.21
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;t_Desulfobulbaceae;g_;s_	0.12	0.06	0.29	1.5/	0.79	5
p_Proteobacteria;a_Deltaproteobacteria;a_Desulfobacteriaes,i_Desulfobacteriaeae,g_Desulfobacteria;a_Deltaproteobacteria;a_Desulfobacteria;	0.14	0.14	0.27	1.05	0.75	5.75
p_Proteobacteria;c_Deltaproteobacteria;o_Destinobacteria;s,t_Destinobacteriaceae;g_;s_	0.1	0.07	0.26	1.44	0.69	0.42
n Bacteroidetes:c Cytonhagia:o Cytonhagales:f Flammeovirgaceae:g :s	0.15	0.17	0.23	1.55	0.65	7.1
p_Bacteroraces,e_Cytophaga,o_Cytophagaes,i_r tainineoringaecae,g_o_	0.11	0.07	0.24	1.32	0.65	8 39
n OP8:c OP8 1:0 f .g .s	0.07	0.06	0.23	1.32	0.63	9.02
p Fusobacteria c Fusobacteria o Fusobacteriales f Fusobacteriaceae g Propionigenium s	0.07	0.01	0.23	2.65	0.61	9.63
p_Lentisphaerae;c_[Lentisphaeria];o_Lentisphaerales;f_;g_;s_	0.08	0.02	0.23	1.86	0.61	10.24
Groups Mica & Ewing Bank						
алонадо спозницану = 33./1	Group Mica	Group Ewing Bank				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.29	0.27	0.46	1.4	1.28	1.28
p_Chlorotlexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_	0.09	0.15	0.44	1.32	1.22	2.5
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.16	0.16	0.3	1.33	0.85	3.35
p Proteobacteria; Deltaproteobacteria; Desulfobacterales; Desulfobacteracea; Desulfococcus;	0.13	0.14	0.3	1.43	0.85	4.2

p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	0.12	0.08	0.3	1.43	0.83	5.03
p Bacteroidetes;c Cytophagia;o Cytophagales;f Flammeovirgaceae;g ;s	0.21	0.17	0.27	1.36	0.76	5.79
p Proteobacteria c Deltaproteobacteria o Desulfobacterales f Desulfobulbaceae g s	0.1	0.06	0.26	1.38	0.73	6.52
r_{-}	0.04	0.1	0.26	1.4	0.73	7 25
	0.04	0.1	0.20	1.4	0.75	7.23
p_Proteobacteria;c_Aipnaproteobacteria;o_;r_;g_;s_	0.14	0.18	0.23	1.54	0.65	7.9
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_	0.07	0.07	0.23	1.57	0.65	8.55
p_OP8;c_OP8_1;o_;f_;g_;s_	0.03	0.06	0.22	1.29	0.6	9.16
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfuromonadales;f_Desulfuromonadaceae;g_;s_	0.09	0.07	0.19	1.36	0.55	9.7
Groups U-166 & Ewing Bank						
Average dissimilarity = 37.69						
	Group U-166	Group Ewing Bank				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.29	0.27	0.53	1.34	1.39	1.39
p Chloroflexi;c Dehalococcoidetes;o Dehalococcoidales;f Dehalococcoidaceae;g ;s	0.08	0.15	0.48	1.32	1.26	2.66
p Planctomycetes;c Phycisphaerae;o MSBL9;f ;g ;s	0.16	0.16	0.46	1.51	1.22	3.88
p. Protobacteria: c. Deltantoteobacteria: o. Desulfobacterales: f. Desulfobacteraceae: g. Desulfococcus: s.	0.11	0.14	0.37	1 44	0.99	4 87
	0.11	0.08	0.36	1.43	0.95	5.82
p	0.2	0.12	0.35	1.57	0.93	6.75
- A of in a horizonta OBP41 (a) (f (a) (a)	0.2	0.12	0.35	1.57	0.75	7.45
p_A control activity r_A is the state of r_A is the state o	0.1	0.00	0.27	1.14	0.7	7.45
p_Proteobacteria;c_Alphaproteobacteria;o_;t_;g_;s_	0.19	0.18	0.26	1.4	0.68	8.13
p_OP8;c_OP8_I;o_;t_;g_;s_	0.01	0.06	0.24	1.2	0.63	8.76
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.2	0.17	0.24	1.29	0.62	9.39
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfarculales;f_Desulfarculaceae;g_;s_	0.06	0.1	0.23	1.43	0.6	9.98
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_	0.05	0.07	0.22	1.67	0.59	10.57
Groups Hale & Vioses Knoll						
Average dissimilarity = 31.40						
	Group Halo	Group Viosca Knoll				
Species	Av Abund	Av Abund	Av Diss	Diss/SD	Contrib%	Cum %
n Chloroflexice Dehalococcoidetes: o Dehalococcoidales: f Dehalococcoidaceae: g : s	0.14	0.08	0.35	0.95	1.13	1 1 3
	0.14	0.00	0.24	1.29	1.15	2.21
p_roteobacteria,c_Ganimapioteobacteria,o_Iniourchates,1_Pischicketistaceae,g_,s_	0.23	0.55	0.34	1.28	1.08	2.21
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacteriales;f_Desulfobacteriaceae;g_Desulfococcus;s_	0.14	0.18	0.22	1.53	0.71	2.92
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.11	0.15	0.22	1.77	0.7	3.61
p_Proteobacteria;c_Deltaproteobacteria;o_;f_;g_;s_	0.15	0.11	0.21	1.36	0.66	4.27
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfuromonadales;f_Desulfuromonadaceae;g_;s_	0.11	0.06	0.2	1.46	0.64	4.91
p_Lentisphaerae;c_[Lentisphaeria];o_Lentisphaerales;f_;g_;s_	0.08	0.02	0.2	1.9	0.64	5.55
p Proteobacteria;c Gammaproteobacteria;o Oceanospirillales;f Endozoicimonaceae;g ;s	0.06	0	0.18	1.33	0.58	6.14
p OP8:c OP8 1:o :f :g :s	0.07	0.03	0.18	0.95	0.57	6.71
p. Proteobacteria c. Deltaproteobacteria o. Desulfobacterales f. Desulfobacteraceae g. s	0.1	0.07	0.18	1.52	0.57	7.28
	0.12	0.1	0.18	1 49	0.57	7.85
p_roteorations,c_Detaproteorations,c_Detaprotecture,c_Destanooutoucouc,c_,s_	0.12	0.12	0.17	1.15	0.55	9.05 9.1
p Chloroflexi; C Dehalococcoidetes; o ; f ; g ;s	0.07	0.13	0.17	1.45	0.55	8.95
Groups U-166 & Viosca Knoll						
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73	Group U 166	Group Viesee V poll				
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73	Group U-166	Group Viosca Knoll		Dire/QD	C	6
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species	Group U-166 Av.Abund	Group Viosca Knoll Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	Group <i>U-166</i> Av.Abund 0.16	Group Viosca Knoll Av.Abund 0.15	Av.Diss 0.42	Diss/SD 2.1	Contrib%	Cum.%
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	Group <i>U-166</i> Av.Abund 0.16 0.29	Group Viosca Knoll Av.Abund 0.15 0.33	Av.Diss 0.42 0.37	Diss/SD 2.1 1.35	Contrib% 1.2 1.07	Cum.% 1.2 2.27
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_	Group <i>U-166</i> Av.Abund 0.16 0.29 0.11	Group Viosca Knoll Av.Abund 0.15 0.33 0.18	Av.Diss 0.42 0.37 0.37	Diss/SD 2.1 1.35 1.42	Contrib% 1.2 1.07 1.06	Cum.% 1.2 2.27 3.33
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planetomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13	Av.Diss 0.42 0.37 0.37 0.35	Diss/SD 2.1 1.35 1.42 1.8	Contrib% 1.2 1.07 1.06 1.02	Cum.% 1.2 2.27 3.33 4.35
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidtes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03	Av.Diss 0.42 0.37 0.37 0.35 0.32	Diss/SD 2.1 1.35 1.42 1.8 2.11	Contrib% 1.2 1.07 1.06 1.02 0.93	Cum.% 1.2 2.27 3.33 4.35 5.28
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehlaococcoidetes;o_Dehalococcoidaes;f_Dehalococcoidaceae;g_;s	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoiddetes;o_Dehalococcoiddes;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Mxyococcales;f_;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7 5
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Detaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_O_Rhodobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Dehaproteobacteria;o_Myxocccales;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;co_fue; s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24 0.24	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8 19
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidtetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehlacoccocidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Acidobacteria;c_OS-K;o_;f_;g_;s_ p_Acidobacteria;c_OS-K;o_;f_;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.11 0.04 0.19	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24 0.24	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8 87
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p-Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p-Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NO10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidaes;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.11 0.04 0.19 0.1	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.13 0.08 0.14 0.17 0.1 0.17 0.1	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.23	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 0.53
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p-Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p-Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_ODetaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Actiobacteria;c_OPB41;o_;f_;g_;s_ p_Actinobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.06 0.1	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.68 0.68 0.69	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10 12
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bateroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_OB-taporteobacteria;o_Myxococcales;f_;g_;s_ p_Actidobacteria;c_OB41;o_;f_;g_;s_ p_Proteobacteria;c_OB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.13 0.08 0.14 0.17 0.1 0.17 0.16 0.1	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.24 0.23 0.2	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.68 0.66 0.59	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p-Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p-Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bateroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ forups <i>Anona</i> & Viosca Knoll	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.14 0.17 0.1 0.17 0.16 0.17	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.23 0.2	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.68 0.66 0.59	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bateroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Actiobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.16 0.1	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.23 0.2	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.69 0.69 0.68 0.66 0.59	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Discirickettsiaceae;g_is_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidaes;f_Dehalococcoidaeeae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Myxococcales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_f_;g_;s_ p_Proteobacteria;c_OPB41;o_f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.17 0.06 0.1 Group Viosca Knoll	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p Planctomycetes;c Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Deltalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_;g_;s_ p_Acidobacteria;c_OS-K;o;f;;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_,s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.16 0.1 Group Viosca Knoll Av.Abund	Av.Diss 0.42 0.37 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.23 0.2 Av.Diss	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.68 0.68 0.68 0.59 Contrib%	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidtets;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_OEtaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_OFA;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.1 0.19 0.1 0.06 Group Anona Av.Abund 0.27	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.1 0.10 0.1 Group Viosca Knoll Av.Abund 0.33	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35	Diss/SD 2.1 1.35 1.42 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.68 0.66 0.59 Contrib% 1.2	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.%
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bateroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_is_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_is_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Desulfobacteraceae;g_is_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_is_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_besulfococcus;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.18 0.14 0.17 0.1 0.17 0.1 0.17 0.16 0.1 Group Viosca Knoll Av.Abund 0.33 0.18	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.35 0.29	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.68 0.66 0.59 Contrib% 1.2	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidates;o_Dehalococcoidates;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Oltaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Oltaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Oltaproteobacteria;o_Myxoccccales;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ forups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_S_pesulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.1 0.1 0.1 0.1 Group Viosca Knoll Av.Abund 0.33 0.13	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.59 Contrib% 1.2 1 0.97	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Deltalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_OPE41;o_;f_;g_;s_ p_Proteobacteria;c_OPE41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Ts_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Ts_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_Desulfococcus;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Tsulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_is_ p_Proteobacteria;c_Deltaproteobacteria;o_Tsulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Tsulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Tsulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Tsulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.69 0.68 0.68 0.66 0.59 Contrib% 1.2 1 0.97 0.88	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Chloroflexi;c_Dehtalocccoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_OEtaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;gs_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;gs_ p_Proteobacteria;c_Deltaproteobacteria;o_Seulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;gs_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Seulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.14 0.17 0.1 0.17 0.1 0.17 0.16 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26	Diss/SD 2.1 1.35 1.42 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.68 0.59 Contrib% 1.2 1 0.97 0.88 0.87	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_pesulfococcus;s_ p_Bateroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_is_ p_Proteobacteria;c_Deltaproteobacteria;o_Tbiotrichales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_Debalococcoidales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_Debalococcoidales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_Debalococcoidales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_Debalococcoidales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_Debalococcoidales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_Debalococcoidales;f_Desulfobulbaceae;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.1 0.1 0.1 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.1 0.1 0.15 0.15 0.15 0.15 0.15 0.	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.35 0.29 0.28 0.26 0.24	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69 0.59 Contrib% 1.2 1 0.97 0.82	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaera;o_MSB19;f_;g_;s_ p_Chloroflex;i;c_Dehalococcoidtes;o_Dehalococcoidae;f_Dehalococcoidaee;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Ploteobacteria;c_Deltaproteobacteria;o_Desulfobactera	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.08 0.07	Av.Diss 0.42 0.37 0.37 0.35 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26 0.26 0.29 0.19	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46 1.72	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.88 0.87 0.88 0.87 0.82 0.66	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_OPB41;o_f_;g_;s_ p_Proteobacteria;c_OPB41;o_f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ g_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Bacteroidales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Ptoteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Ptoteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Ptoteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacter	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.08 0.07 0.17	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26 0.24 0.19 0.17	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.82	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.69 0.68 0.68 0.68 0.59 Contrib% 1.2 1 0.97 0.88 0.87 0.82 0.69 0.59	Cum.% 1.2 2.27 3.33 4.35 5.28 6.65 6.65 6.65 6.82 7.5 8.19 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_ p_Bcateroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_OPAtpaproteobacteria;o_Thiotrichales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_OPAt1;o_;f_;g_;s_ p_Proteobacteria;c_OPAt1;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Tesu_s_ b_Acidobacteria;c_Alphaproteobacteria;o_Tesu_s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.1 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.15 0.15 0.15 0.15 0.12 0.17 0.17 0.17 0.17 0.17	Av.Diss 0.42 0.37 0.35 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.25 0.29 0.28 0.26 0.26 0.24 0.19 0.17	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.8	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.59 0.69 0.59 0.69 0.88 0.88 0.87 0.82 0.69 0.59	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 7.58
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p-Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p-Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_pesulfococcus;s_ p-Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p-Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p-Proteobacteria;c_Alphaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p-Proteobacteria;c_Alphaproteobacteria;o_f;g_;s_ p-Proteobacteria;c_OPB41;o_;f_;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_f;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p-Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_f_;g_;s_ p-Proteobacteria;c_Deltaproteobacteria;o_f_;g_;s_ p-	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08 0.19	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Av.Diss 0.42 0.37 0.37 0.27 0.27 0.24 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.35 0.29 0.28 0.26 0.24 0.24 0.29 0.28 0.26 0.24 0.19 0.17 0.17	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.82 1.51	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.6	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 7.58
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p. Planctomycetes; c_Phycisphaerae; o_MSBL9; f_;g_;s_ p_Proteobacteria; c_Gammaproteobacteria; o_Thiotrichales; f_Piscirickettsiaceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Desulfobacterales; f_Desulfobacteraceae; g_Desulfococcus; s_ p_Bacteroidetes; c_Bacteroidia; o_Bacteroidales; f_;g_;s_ p_NC10; c_wb1-A12; o_;f_;g_;s_ p_Chloroflexi; c_Delalococcoidetes; o_Dehalococcoidales; f_Dehalococcoidaceae; g_;s_ p_Proteobacteria; c_Alphaproteobacteria; o_Rhodobacterales; f_Rhodobacteraceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Myxococcales; f_;g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_f; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Thiotrichales; f_Desulfobulbaceae; g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria; c_Deltaproteobacteria; o_Thiotrichales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Desulfobacterales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Thiotrichales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Desulfobacterales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Desulfobacterales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Deltaproteobacteria; o_Desulfobacterales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Phycisphaera; o_MSB19; f_;g_;s_ p_Proteobacteria; c_Alphaproteobacteria; o_Desulfobacterales; f_Desulfobulbaceae; g_;s_ p_Proteobacteria; c_Alphaproteobacteria; o_Suffibibacterales; f_Desulfobacteracea; g_;s_ p_Proteobacteria; C_Yotophagia; o_Yotophagia; O_Yotophagia; O_Yotophagia; O_Yotophagia; O_YOTophagia; O_YOtophagia; O_Yotophagia; O_YOtophagia; O_YOTOphagia; O_YOTO	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08 0.09 0.17 0.08 0.19 0.12	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.1 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.13 0.13 0.13 0.15 0.08 0.07 0.17 0.17 0.1	Av.Diss 0.42 0.37 0.37 0.35 0.27 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26 0.26 0.26 0.17 0.17 0.17 0.17	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.82 1.5 1.41	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.59 Contrib% 1.2 1 0.97 0.88 0.87 0.88 0.87 0.88 0.87 0.88 0.67 0.59 0.5	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 7.58 8.11
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_NC10;c_wb1-A12;o_;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_fr;g_;s_ p_Proteobacteria;c_OEB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_fr;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_fr;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_fr;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_fr;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Proteobacteria;c_Othaproteobacteria;o_S;f_Flammeovirgaceae;g_;s_ p_Proteobacteria;c	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.08 0.2 0.1 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08 0.19 0.13 0.6	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.17 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.08 0.13 0.15 0.08 0.17 0.1 0.15 0.17 0.17 0.17 0.17 0.15 0.18	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26 0.26 0.24 0.29 0.26 0.26 0.24 0.17 0.17 0.17	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.82 1.5 1.41 1.33	Contrib% 1.2 1.07 1.02 0.93 0.77 0.76 0.69 0.68 0.68 0.68 0.59 Contrib% 1.2 1 0.97 0.88 0.87 0.82 0.68 0.59 0.59 0.59 0.59 0.59	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 7.58 8.11 8.64
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p. Planctomycetes; c. Phycisphaerae; o_MSBL9; f_;g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ Thiotrichales; f_ Piscirickettsiaceae; g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ Desulfobacterales; f_ Desulfobacteraceae; g_ Desulfococcus; s_ p. Bacteroidetes; c_ Bacteroidia; o_ Bacteroidales; f_;g_;s_ p. NC10; c_wb1-A12; o_;f_;g_;s_ p. Chloroflexi; c_ Dehalococcoidetes; o_ Dehalococcoidales; f_ Dehalococcoidaceae; g_;s_ p. Proteobacteria; c_ Alphaproteobacteria; o_ Rhodobacterales; f_ Rhodobacteraceae; g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ Myxococcales; f_;g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ f_;g_;s_ p. Proteobacteria; c_ OB41; o_;f_;g_;s_ p. Proteobacteria; c_ OPB41; o_;f_;g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ Thiotrichales; f_ Desulfobulbaceae; g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p. Proteobacteria; c_ Deltaproteobacteria; o_ Thiotrichales; f_ Desulfobulbaceae; g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ Desulfobacterales; f_ Desulfobacteracea; g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ NSBL9; f_;g_;s_ p. Proteobacteria; c_ Deltaproteobacteria; o_ NSBL9; f_;g_;s_ p. Proteobacteri	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08 0.19 0.13 0.08	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.14 0.17 0.1 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.08 0.07 0.17 0.1 0.17 0.1 0.17 0.17 0.17	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.24 0.24 0.29 0.28 0.26 0.24 0.17 0.17 0.16 0.16 0.15	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.76 1.63 1.46 1.72 1.82 1.5 1.41 1.33 1.47	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69 0.59 Contrib% 1.2 1 0.97 0.88 0.87 0.82 0.66 0.59 0.52 0.53 0.53 0.53 0.51	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 5.74 6.4 6.99 5.74 8.811 8.64 9.15
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Cammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidaes;f_Dehalococcoidaceae;g_;s_ p_Proteobacteria;c_Alphaproteobacteria;o_Myxococcales;f_Phalococcoidaeea;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Tsido and terrales;f_Piscirickettsiaceae;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_F;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_f;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Tsido and terrales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_ p_Proteobacteria;c_Oeltaproteobacteria;o_Desulfobacterales;f_Desulfobacteracea;g_;s_	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08 0.19 0.13 0.08 0.11	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.08 0.07 0.17 0.17 0.17 0.17 0.17 0.11 0.09 0.06	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.24 0.23 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26 0.26 0.24 0.19 0.17 0.17 0.16 0.15 0.14	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.82 1.5 1.41 1.33 1.47 1.16	Contrib% 1.2 1.07 1.06 1.02 0.93 0.77 0.76 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.6	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 7.58 8.11 8.64 9.15 9.64
Groups <i>U-166</i> & Viosca Knoll Average dissimilarity = 34.73 Species p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_ p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_ p_Bacteroidtes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_ p_Chotoobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Rhodobacterales;f_Rhodobacteraceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Myxococcales;f_;g_;s_ p_Proteobacteria;c_OS-K;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_OPB41;o_;f_;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ g_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ Groups <i>Anona</i> & Viosca Knoll Average dissimilarity = 29.48 Species p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_S_ p_Proteobacteria;c_Deltaproteobacteria;o_T;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_T;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_T;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_T;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Ts_ p_Proteobacteria;c_Deltaproteobacteria;o_Ts_ p_Proteobacteria;c_Deltaproteobacteria;o_Ts_ p_Proteobacteria;c_Deltaproteobacteria;o_Ts_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfaceae;g_;s_ p_Proteobacteria;c_Deltaproteobacteria;o_Desulfaceae;f_S_sp_ p_Proteobacte	Group U-166 Av.Abund 0.16 0.29 0.11 0.11 0.08 0.2 0.11 0.04 0.19 0.1 0.06 Group Anona Av.Abund 0.27 0.15 0.14 0.13 0.16 0.08 0.09 0.17 0.08 0.19 0.13 0.08 0.1 0.13	Group Viosca Knoll Av.Abund 0.15 0.33 0.18 0.13 0.03 0.08 0.14 0.17 0.1 0.1 0.17 0.06 0.1 Group Viosca Knoll Av.Abund 0.33 0.18 0.13 0.1 0.15 0.08 0.07 0.17 0.1 0.17 0.17 0.17 0.17 0.17	Av.Diss 0.42 0.37 0.35 0.32 0.27 0.24 0.24 0.24 0.24 0.24 0.23 0.2 0.2 Av.Diss 0.35 0.29 0.28 0.26 0.26 0.26 0.26 0.26 0.17 0.17 0.17 0.15 0.14 0.13	Diss/SD 2.1 1.35 1.42 1.8 2.11 1.47 1.36 3.06 1.53 2.01 1.13 1.54 Diss/SD 1.56 1.3 1.56 1.3 1.76 1.69 1.63 1.46 1.72 1.82 1.5 1.41 1.33 1.47	Contrib% 1.2 1.07 1.06 0.93 0.77 0.76 0.69 0.59 0.51 0.48 0.48 0.48 0.48 0.48 0.48 0.51 0.5	Cum.% 1.2 2.27 3.33 4.35 5.28 6.05 6.82 7.5 8.19 8.87 9.53 10.12 Cum.% 1.2 2.2 3.17 4.05 4.92 5.74 6.4 6.99 7.58 8.11 8.64 9.15 9.64 10.1

Groups Ewing Bank & Viosca Knoll

Average dissimilarity = 34.41						
Suppoint	Group Ewing Bank	Group Viosca Knoll	A v Dice	Dicc/SD	Contrib0/	Cum 9/
n Proteobacteria: Cammanroteobacteria: Thiotrichales: Piscirickettsiaceae: as	AV.Abund	AV.Abund	AV.DISS	1 31	1 31	1 31
p_riocodateria,e_oanniaprotoodateria,o_rinou ichates,r_risentexeusiaceae,g_s_ p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_s_	0.15	0.08	0.43	1.31	1.51	2.56
p Proteobacteria;c Deltaproteobacteria;o Desulfobacterales;f Desulfobacteraceae;g Desulfococcus;s	0.14	0.18	0.32	1.36	0.93	3.49
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.16	0.15	0.28	1.32	0.82	4.31
p_NC10;c_wb1-A12;o_;f_;g_;s_	0.1	0.03	0.28	1.51	0.81	5.13
p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	0.08	0.13	0.26	1.34	0.76	5.88
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_	0.06	0.1	0.23	1.37	0.68	6.56
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;t_Flammeovirgaceae;g_;s_	0.17	0.17	0.22	1.48	0.65	7.21
p_Proteobacteria;c_Denaproteobacteria,o_Desunobacteriales,1_Desunobacteriaceae,g_,s_ p_Acidobacteria;c_OS_K;o_;f_;g_;s_	0.07	0.07	0.22	1.81	0.64	7.85 8.46
p_Actionationation (0.5 K, 0.5, 1.5, 5.5) n OP8 c OP8 to if ig is	0.05	0.03	0.21	1.32	0.61	9.08
p_Proteobacteria;c_Deltaproteobacteria;o_Sva0853;f_JTB36;g_;s_	0.09	0.05	0.2	1.21	0.58	9.66
Groups Halo & Mardi Gras						
Average dissimilarity = 40.51	с. н.					
Supplier	Group Halo	Group Mardi Gras	A. Diag	Dice/SD	Contrib0/	Cum 0/
n Proteobacteria: c. Gammanroteobacteria: o. Thiotrichales: f. Piscirickettsiaceae: g. :s.	0.25	0.23	AV.DISS 0.48	1.61	1 18	1 18
p_froteobacteria;e_Ganimaproceobacteria;o_fritourienates;f_frisentexetastaccae;g_;s_ p_Planctomycetes:c_Phycisphaerae:o_MSBL9:f_rg_rs	0.11	0.25	0.43	1.9	1.15	2.33
p Bacteroidetes; c Bacteroidia; o Bacteroidales; f; g; s	0.11	0.18	0.39	1.84	0.97	3.31
p Chloroflexi;c Dehalococcoidetes;o Dehalococcoidales;f Dehalococcoidaceae;g ;s	0.14	0.1	0.39	1.01	0.97	4.28
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobacteraceae;g_Desulfococcus;s_	0.14	0.19	0.33	1.28	0.81	5.09
p_Proteobacteria;c_Deltaproteobacteria;o_NB1-j;f_NB1-i;g_;s_	0.16	0.22	0.26	1.54	0.64	5.72
p_Lentisphaerae;c_[Lentisphaeria];o_Lentisphaerales;f_;g_;s_	0.08	0.01	0.25	2.17	0.61	6.34
p_Proteobacteria;c_Deltaproteobacteria;o_;f_;g_;s_	0.15	0.1	0.24	1.42	0.6	6.93
p_Actinobacteria;c_OPB41;o_;f_;g_;s_	0.04	0.09	0.24	1.22	0.59	7.53
p_Fusobacteria;c_Fusobacteria;o_Fusobacteriales;f_Fusobacteriaceae;g_Propionigenium;s_	0.07	0	0.24	2.78	0.59	8.12
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;t_Flammeovirgaceae;g_;s_	0.15	0.17	0.23	1.36	0.58	8./
p_110coodcena,e_Denaprocoodcena,o_Desunarenanes,r_Desunarenaecae,g_,s_	0.11	0.1	0.25	1.27	0.50	1.21
Groups Mica & Mardi Gras						
Average dissimilarity = 50.05	Group Mica	Group Mardi Gras				
Species	Av Abund	Av Abund	Av Diss	Diss/SD	Contrib%	Cum %
p Proteobacteria:c Gammaproteobacteria:o Thiotrichales:f Piscirickettsiaceae:g :s	0.29	0.23	0.52	1.56	1.43	1.43
p Planctomycetes; c Phycisphaerae; o MSBL9; f ; g ;s	0.16	0.2	0.4	1.57	1.08	2.52
p Proteobacteria;c Deltaproteobacteria;o Desulfobacterales;f Desulfobacteraceae;g Desulfococcus;s	0.13	0.19	0.39	1.32	1.05	3.57
p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	0.12	0.18	0.38	1.33	1.05	4.62
p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_	0.09	0.1	0.3	1.15	0.82	5.44
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.21	0.17	0.26	1.31	0.71	6.15
p_Actinobacteria;c_OPB41;o_;f_;g_;s_	0.06	0.09	0.25	1.34	0.67	6.82
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfarculales;f_Desulfarculaceae;g_;s_	0.07	0.1	0.24	1.06	0.65	7.47
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;t_Desulfobulbaceae;g_;s_	0.1	0.12	0.23	1.33	0.63	8.1
p_Proteobacteria;c_Deitaproteobacteria;o_DTB120;T_;g_;s_	0.06	0	0.22	1.08	0.61	8./1
p_Proteobacteria;c_Alphaproteobacteria;o_,i_,g_,s_	0.14	0.16	0.19	1.58	0.55	9.24
p_110cooldetaia,e_Aiphaprocooldetaia,o_Kitodospirmates,i_Kitodospirmateat,j_,s_	0.11	0.07	0.19	1.55	0.52	9.70
Groups U-166 & Mardi Gras Average dissimilarity = 39.28						
	Group U-166	Group Mardi Gras				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.29	0.23	0.57	1.37	1.46	1.46
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.16	0.2	0.5	1.38	1.28	2.74
p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	0.11	0.18	0.48	1.37	1.23	3.97
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;t_Desulfobacteraceae;g_Desulfococcus;s_	0.11	0.19	0.48	1.32	1.21	5.18
p_NC10;c_wb1-A12;0_;t_;g_;s_	0.11	0.02	0.38	2.16	0.97	6.15
p_Cnioronexi,c_Denaiococcoldeles,o_Denaiococcoldales,i_Denaiococcoldaceae,g_,s_	0.08	0.1	0.34	1.24	0.80	7.01
p_Actinovacienta,c_OFB41,0_,1_,g_,s_ p_Proteobacteria:c_Alphanrateobacteria:o_Rhodobacterales:f_Rhodobacteraceae:g_:s	0.1	0.09	0.32	1.32	0.8	7.01 8.56
n Proteobacteria:c. Deltaproteobacteria:o. Desulfobacterales:f. Desulfobulbaceae:g.;s_	0.06	0.12	0.29	1.52	0.75	9.31
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfarculales;f_Desulfarculaceae;g_;s_	0.06	0.1	0.28	1.08	0.7	10.01
Groups Ewing Bank & Mardi Gras						
Average dissimilarity = 40.72		a				
Suppoint.	Group Ewing Bank	Group Mardi Gras	A. D.	Dica/CD	Contail 0/	C1 0/
n Protechasteria: Commanistechasteria: Thistrichalast Dissirial attainances a	Av.Abund	Av.Abund	AV.DISS	1 35	1.51	Cum.%
p_riorovateria,c_oanimaprocovateria,o_rioriclates,r_risentekeusiaceae,g_,s_ n Bacteroidetes:c Bacteroidia:o Bacteroidales:f :g :s	0.08	0.25	0.49	1.55	1.31	2.71
n Chloroflexic Dehalococcoidetes o Dehalococcoidales f Dehalococcoidaceae g s	0.15	0.1	0.46	1.33	1.14	3.85
p Planctomycetes; c Phycisphaerae; o MSBL9:f :g :s	0.16	0.2	0.43	1.33	1.07	4.92
p Proteobacteria; Deltaproteobacteria; Desulfobacterales; f Desulfobacteraceae; g Desulfococcus:s	0.14	0.19	0.42	1.3	1.04	5.96
p_NC10;c_wb1-A12;o_;f_;g_;s_	0.1	0.02	0.33	1.61	0.82	6.78
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_	0.06	0.12	0.33	1.41	0.8	7.58
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.17	0.17	0.28	1.3	0.69	8.27
p_Actinobacteria;c_OPB41;o_;f_;g_;s_	0.06	0.09	0.27	1.36	0.67	8.94
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfarculales;f_Desulfarculaceae;g_;s_	0.1	0.1	0.26	1.24	0.65	9.59
p_cnioromexi;c_S085;o_;t_;g_;s_	0.11	0.04	0.26	1.45	0.63	10.22

Groups Viosca Knoll & Mardi Gras

Average dissimilarity = 35.18

Treage dissimilarity 55.16						
	Group Viosca Knoll	Group Mardi Gras				
Species	Av.Abund	Av.Abund	Av.Diss	Diss/SD	Contrib%	Cum.%
p_Proteobacteria;c_Gammaproteobacteria;o_Thiotrichales;f_Piscirickettsiaceae;g_;s_	0.33	0.23	0.57	1.54	1.61	1.61
p_Planctomycetes;c_Phycisphaerae;o_MSBL9;f_;g_;s_	0.15	0.2	0.39	1.72	1.12	2.73
p_Bacteroidetes;c_Bacteroidia;o_Bacteroidales;f_;g_;s_	0.13	0.18	0.36	1.51	1.04	3.76
$p_Proteobacteria; c_Delta proteobacteria; o_Desulfobacterales; f_Desulfobacteraceae; g_Desulfococcus; s_Desulfobacterales; f_Desulfobacteraceae; g_Desulfococcus; s_Desulfobacterales; f_Desulfobacteraceae; g_Desulfobacterales; s_Desulfobacterales; f_Desulfobacteraceae; g_Desulfobacterales; s_Desulfobacterales; s_Desulfobacteraceae; s_Desulfobacterales; s_Desulfobacterales; s_Desulfobacteraceae; s_Desulfobacterales; s_Desulfobacterales; s_Desulfobacteraceae; s_Desulfobacterales; s_Desulfobacteraceae; s_Desulfobacterales; s_Desulfobacteraceae; s_Desulfobacteraceae; s_Desulfobacterales; s_Desulfobacteraceae; s_$	0.18	0.19	0.35	1.35	0.99	4.76
p_Chloroflexi;c_Dehalococcoidetes;o_Dehalococcoidales;f_Dehalococcoidaceae;g_;s_	0.08	0.1	0.28	1.13	0.79	5.55
p_Actinobacteria;c_OPB41;o_;f_;g_;s_	0.06	0.09	0.24	1.38	0.67	6.22
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfarculales;f_Desulfarculaceae;g_;s_	0.09	0.1	0.22	1.13	0.64	6.86
p_Proteobacteria;c_Deltaproteobacteria;o_Desulfobacterales;f_Desulfobulbaceae;g_;s_	0.1	0.12	0.2	1.34	0.58	7.43
p_Bacteroidetes;c_Cytophagia;o_Cytophagales;f_Flammeovirgaceae;g_;s_	0.17	0.17	0.2	1.26	0.57	8.01
p_Proteobacteria;c_Gammaproteobacteria;o_Chromatiales;f_;g_;s_	0.13	0.1	0.18	1.83	0.52	8.53
p_Planctomycetes;c_[Brocadiae];o_Brocadiales;f_Brocadiaceae;g_Candidatus Scalindua;s_	0.08	0.05	0.18	1.82	0.5	9.02
p_Chloroflexi;c_Dehalococcoidetes;o_;f_;g_;s_	0.04	0.07	0.18	1.31	0.5	9.52

Table S3. Similarity Percent (SIMPER) analysis, identifying archaeal drivers of within group similarity, and between group dissimilarity.Group HaloAverage similarity: 70.69

Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.64	Av.Sim 16.78	Sim/SD 1.88	Contrib% 23.74	Cum.% 23.74	
Group Mica A verage similarity: 74.44						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.74	Av.Sim 23.72	Sim/SD 2.76	Contrib% 31.87	Cum.% 31.87	
Group <i>U-166</i> A verage similarity: 64.57						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.68	Av.Sim 21.98	Sim/SD 1.62	Contrib% 34.04	Cum.% 34.04	
Group Anona A verage similarity: 67.07						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.7	Av.Sim 20.16	Sim/SD 2.1	Contrib% 30.05	Cum.% 30.05	
Group Ewing Bank A verage similarity: 69.01						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.65	Av.Sim 19.57	Sim/SD 2.29	Contrib% 28.35	Cum.% 28.35	
Group Viosca Knoll Average similarity: 77.82						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.78	Av.Sim 25.52	Sim/SD 3.35	Contrib% 32.8	Cum.% 32.8	
Group Mardi Gras A verage similarity: 58.83						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Av.Abund 0.57	Av.Sim 14.32	Sim/SD 1.36	Contrib% 24.34	Cum.% 24.34	
Groups <i>Halo</i> & Mica Average dissimilarity = 35.56						
Species p_Crenarchaeota;c_MCG;o_;f_;g_;s_	Group Halo Av.Abund 0.4	Group Mica Av.Abund 0.22	Av.Diss 4.39	Diss/SD 1.4	Contrib% 12.35	Cum.% 12.35
Groups <i>Halo & U-166</i> Average dissimilarity = 43.24						
Species p_Crenarchaeota;c_MCG;o_;f_;g_;s_	Group Halo Av.Abund 0.4	Group U-16 Av.Abund 0.17	6 Av.Diss 5.12	Diss/SD 1.41	Contrib% 11.84	Cum.% 11.84
Groups Mica & Anona A verage dissimilarity = 28.42						
Species p_Crenarchaeota;c_MCG;o_;f_;g_;s_	Group Mica Av.Abund 0.22	Group Anon Av.Abund 0.28	a Av.Diss 3.74	Diss/SD 1.48	Contrib% 13.18	Cum.% 13.18
Groups <i>Halo</i> & Ewing Bank A verage dissimilarity = 36.28						
Species p_Crenarchaeota;c_MCG;o_;f_;g_;s_	Group Halo Av.Abund 0.4	Group Ewing Av.Abu 0.26	g Bank 1 Av.Diss 4.38	Diss/SD 1.37	Contrib% 12.08	Cum.% 12.08
Groups <i>Halo</i> & Mardi Gras Average dissimilarity = 43.89						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Group Halo Av.Abund 0.64	Group Mard Av.Abu 0.57	i Gras 1 Av.Diss 5.01	Diss/SD 1.4	Contrib% 11.42	Cum.% 11.42
Groups Mica & Mardi Gras						

Average dissimilarity = 38.07						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Group Mica Av.Abund 0.74	Group 0.57	o Mardi Gras Av.Abu Av.Diss 5.03	Diss/SD 1.4	Contrib% 13.22	Cum.% 13.22
Groups U -166 & Mardi Gras Average dissimilarity = 44.81						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Group U-160 Av.Abund 0.68	6 Group 0.57	o Mardi Gras Av.Abu Av.Diss 5.25	Diss/SD 1.28	Contrib% 11.71	Cum.% 11.71
Groups Ewing Bank & Mardi Gras Average dissimilarity = 41.78						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Group Ewing Av.Abu 0.65	e Group م A 0.57	o Mardi Gras Av.Abu Av.Diss 4.71	Diss/SD 1.43	Contrib% 11.27	Cum.% 11.27
Groups Viosca Knoll & Mardi Gras Average dissimilarity = 36.51						
Species p_Crenarchaeota;c_Thaumarchaeota;o_Cenarchaeales;f_Cenarchaeaceae;g_Nitrosopumilus;s_	Group Viosc Av.Ab 0.78	c Group	o Mardi Gras Av.Abu Av.Diss 5.15	Diss/SD 1.41	Contrib% 14.1	Cum.% 14.1