

Table S1: Details of SRA accession numbers (data type, description and accession numbers).

Type	Description	Accession number
STUDY	PRJNA238554	SRP038099
SAMPLE	S _{C1} - Surface layer from the cold seep core	SRS560591
EXPERIMENT	Bact1 region	SRX472579
RUN	Bacterial diversity (V4 hypervariable region) in surface cold seep sediments (Zhou's extraction)	SRR1171518
RUN	Bacterial diversity (V4 hypervariable region) in surface cold seep sediments (Kit extraction)	SRR1221428
EXPERIMENT	Bact2 region	SRX512630
RUN	Bacterial diversity (V5-V6 hypervariable region) in surface cold seep sediments (Zhou's extraction)	SRR1221425
RUN	Bacterial diversity (V5-V6 hypervariable regions) in surface cold seep sediments (Kit extraction)	SRR1221427
EXPERIMENT	Arch1 region	SRX512633
RUN	Archaeal diversity (V2-V3 hypervariable regions) in surface cold seep sediments (Zhou's extraction)	SRR1221430
RUN	Archaeal diversity (V2-V3 hypervariable regions) in surface cold seep sediments (Kit extraction)	SRR1221431
EXPERIMENT	Arch2 region	SRX512634
RUN	Archaeal diversity (V5-V6 hypervariable regions) in surface cold seep sediments (Zhou's extraction)	SRR1221433
RUN	Archaeal diversity (V5-V6 hypervariable regions) in surface cold seep sediments (Kit extraction)	SRR1221434
SAMPLE	S _{C6} - Bottom layer from the cold seep site	SRS589876
EXPERIMENT	Bact1 region SC6	SRX512635
RUN	Bacterial diversity (V4 hypervariable region) in deep cold seep sediments (Zhou's extraction)	SRR1221435
RUN	Bacterial diversity (V4 hypervariable region) in deep cold seep sediments (Kit extraction)	SRR1221438
EXPERIMENT	Bact2 region SC6	SRX512647
RUN	Bacterial diversity (V5-V6 hypervariable regions) in deep cold seep sediments (Zhou's extraction)	SRR1221558
RUN	Bacterial diversity (V5-V6 hypervariable regions) in deep cold seep sediments (Kit extraction)	SRR1221559
EXPERIMENT	Arch1 region SC6	SRX512648
RUN	Archaeal diversity (V2-V3 hypervariable regions) in deep cold seep sediments (Zhou's extraction)	SRR1221560
RUN	Archaeal diversity (V2-V3 hypervariable regions) in deep cold seep sediments (Kit extraction)	SRR1221561
EXPERIMENT	Arch2 region SC6	SRX512650
RUN	Archaeal diversity (V5-V6 hypervariable regions) in deep cold seep sediments (Zhou's extraction)	SRR1221563
RUN	Archaeal diversity (V5-V6 hypervariable regions) in deep cold seep sediments (Kit extraction)	SRR1221567
SAMPLE	S _{H1} - Surface layer from the hydrothermal vent core	SRS589879
EXPERIMENT	Bact1 region SH1	SRX512637
RUN	Bacterial diversity (V4 hypervariable region) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 1)	SRR1221584
RUN	Bacterial diversity (V4 hypervariable region) in surface hydrothermal vent sediments (Kit extraction - Replicate 1)	SRR1221592
RUN	Bacterial diversity (V4 hypervariable region) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 2)	SRR1221601
RUN	Bacterial diversity (V4 hypervariable region) in surface hydrothermal vent sediments (Kit extraction - Replicate 2)	SRR1221617
EXPERIMENT	Bact2 region SH1	SRX512663
RUN	Bacterial diversity (V5-V6 hypervariable region) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 1)	SRR1221645
RUN	Bacterial diversity (V5-V6 hypervariable region) in surface hydrothermal vent sediments (Kit extraction - Replicate 1)	SRR1221656
RUN	Bacterial diversity (V5-V6 hypervariable region) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 2)	SRR1221678
RUN	Bacterial diversity (V5-V6 hypervariable region) in surface hydrothermal vent sediments (Kit extraction - Replicate 2)	SRR1221684
EXPERIMENT	Arch1 region SH1	SRX512666
RUN	Archaeal diversity (V2-V3 hypervariable regions) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 1)	SRR1221686
RUN	Archaeal diversity (V2-V3 hypervariable regions) in surface hydrothermal vent sediments (Kit extraction - Replicate 1)	SRR1221687
RUN	Archaeal diversity (V2-V3 hypervariable regions) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 2)	SRR1221689
RUN	Archaeal diversity (V2-V3 hypervariable regions) in surface hydrothermal vent sediments (Kit extraction - Replicate 2)	SRR1221690
EXPERIMENT	Arch2 region SH1	SRX512667
RUN	Archaeal diversity (V5-V6 hypervariable regions) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 1)	SRR1221691
RUN	Archaeal diversity (V5-V6 hypervariable regions) in surface hydrothermal vent sediments (Kit extraction - Replicate 1)	SRR1221692
RUN	Archaeal diversity (V5-V6 hypervariable regions) in surface hydrothermal vent sediments (Zhou's extraction - Replicate 2)	SRR1221693
RUN	Archaeal diversity (V5-V6 hypervariable regions) in surface hydrothermal vent sediments (Kit extraction - Replicate 2)	SRR1221695

Table S2: List of sequences included in our reference database and associated details (NCBI accession numbers, reference publications, associated affiliations and affiliations used in our database).

NCBI Accession Numbers	Affiliations used in NCBI	Reference publications	Affiliations used in reference publications	Affiliations used in our database
AF035722	<i>Calypptogena</i> sp. Florida gill symbiont	(1)	Thioautotrophic symbionts	CGS1
AF035723	<i>Calypptogena pacifica</i> gill symbiont	(1)	Thioautotrophic symbionts	CGS1
AJ745718	thiotrophic bacterial endosymbiont of <i>Bathymodiolus</i> sp.	(1)	Thioautotrophic symbionts	CGS1
AM236331	thiotrophic bacterial endosymbiont of <i>Bathymodiolus brooksi</i>	(1)	Thioautotrophic symbionts	CGS1
M99445	<i>Bathymodiolus thermophilus</i> thioautotrophic gill symbiont	(1)	Thioautotrophic symbionts	CGS1
AB042413	<i>Maoritithys hadalis</i> gill thioautotrophic symbiont I	(1)	Thioautotrophic symbionts	CGS1
AY542558	uncultured gamma proteobacterium	(1)	Thioautotrophic symbionts	Gammaproteobacteria
DQ232903	endosymbiont of Vestimentiferan tubeworm	(1)	Thioautotrophic symbionts	CGS2_b
AF420364	uncultured proteobacterium	(1)	Gammaproteobacteria	CGS2_b
AJ535246	uncultured gamma proteobacterium	(1)	Gammaproteobacteria	Gammaproteobacteria
AB036710	<i>Bathymodiolus platifrons</i> methanotrophic gill symbiont	(1)	Methanotrophic symbionts	Methylococcales
U05595	methanotrophic gill symbiont of mussel	(1)	Methanotrophic symbionts	Methylococcales
AJ745717	methanotrophic bacterial endosymbiont of <i>Bathymodiolus</i> sp.	(1)	Methanotrophic symbionts	Methylococcales
AM236330	methanotrophic bacterial endosymbiont of <i>Bathymodiolus brooksi</i>	(1)	Methanotrophic symbionts	Methylococcales
L20840	<i>Methylomonas methanica</i>	(1)	<i>Methylomonas methanica</i>	<i>Methylomonas methanica</i>
AF304195	<i>Methylobacter luteus</i>	(1)	<i>Methylobacter luteus</i>	<i>Methylobacter luteus</i>
X82145	<i>Alteromonas macleodii</i>	(1)	<i>Alteromonas macleodii</i>	<i>Alteromonas macleodii</i>
AY592403	uncultured bacterium	(1)	Deltaproteobacteria	SEEP-SRB2
AY542555	uncultured delta proteobacterium	(1)	<i>Desulfobulbus</i>	SEEP-SRB3
AJ535242	uncultured delta proteobacterium	(1)	<i>Desulfobulbus</i>	SEEP-SRB4
AJ704695	uncultured delta proteobacterium	(1)	<i>Desulfobulbus</i>	SEEP-SRB4
AF354162	uncultured delta proteobacterium	(1)	<i>Desulfosarcinales</i>	Desulfobacteraceae_3
AF136008	<i>Desulfobacterium</i> sp. BSv41	(1)	<i>Desulfobacterium</i> sp.	Desulfobacterium
M26632	<i>Desulfosarcina variabilis</i>	(1)	<i>Desulfosarcina variabilis</i>	<i>Desulfosarcina variabilis</i>
X83942	<i>Bacteroides fragilis</i>	(1)	<i>Bacteroides fragilis</i>	<i>Bacteroides fragilis</i>
AY280418	uncultured Bacteroidetes bacterium	(1)	CFB	CFB
MS8766	<i>Cytophaga fermentans</i>	(1)	<i>Cytophaga fermentans</i>	<i>Cytophaga fermentans</i>
AJ704701	uncultured Bacteroidetes bacterium	(1)	CFB	CFB
U01328	<i>Helicobacter pylori</i>	(1)	<i>Helicobacter pylori</i>	<i>Helicobacter pylori</i>
AY211663	uncultured epsilon proteobacterium	(1)	Epsilonproteobacteria	Helicobacteraceae_2
AB013263	uncultured epsilon proteobacterium	(1)	Epsilonproteobacteria	Helicobacteraceae_2
AB205405	<i>Alviniconcha aff. hesleri</i> gill endosymbiont	(1)	Epsilonproteobacteria	Epsilon_I
AF449250	uncultured epsilon proteobacterium	(1)	Epsilonproteobacteria	Epsilon_I
AY542194	uncultured epsilon proteobacterium	(1)	Epsilonproteobacteria	Epsilon_I
AB013262	uncultured epsilon proteobacterium	(1)	Epsilonproteobacteria	Epsilon_I
D14500	<i>Agrobacterium tumefaciens</i>	(1)	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i>
DQ289905	uncultured alpha proteobacterium	(1)	Alphaproteobacteria	Hyphomicrobiaceae
AY592158	uncultured bacterium	(1)	Alphaproteobacteria	Hyphomicrobiaceae
AB016721	<i>Bacillus subtilis</i>	(1)	<i>Bacillus subtilis</i>	<i>Bacillus subtilis</i>
MS9084	<i>Clostridium acidurici</i>	(1)	<i>Clostridium acidurici</i>	<i>Clostridium acidurici</i>
AB117569	<i>Clostridium hylemonae</i>	(1)	<i>Clostridium hylemonae</i>	<i>Clostridium hylemonae</i>
AF419699	uncultured bacterium	(1)	GNS	D1_Chloroflexi
AF424395	uncultured Chloroflexi bacterium	(1)	GNS	D1_Chloroflexi
AB015271	uncultured candidate division JS1 bacterium	(1)	JS1	JS1
AB177221	uncultured bacterium	(1)	JS1	JS1
AY592093	uncultured bacterium	(1)	Actinobacteria	Acidimicrobiales
AY592145	uncultured bacterium	(1)	Actinobacteria	Acidimicrobiales
AY592135	uncultured bacterium	(1)	Actinobacteria	Gemmati_D4
AY592136	uncultured bacterium	(1)	Actinobacteria	Gemmati_D4
L40809	<i>Thiomicrospira pelophila</i>	(2)	<i>Thiomicrospira pelophila</i>	<i>Thiomicrospira pelophila</i>
U32940	<i>Thiothrix ramosa</i>	(2)	<i>Thiothrix ramosa</i>	<i>Thiothrix ramosa</i>
U15106	hydrothermal vent eubacterium PVB_OTU_6	(2)	Epsilonproteobacteria II	Helicobacteraceae_2
AF420352	uncultured proteobacterium	(2)	Epsilonproteobacteria II	Helicobacteraceae_2
AY197379	uncultured proteobacterium	(2)	Epsilonproteobacteria II	Helicobacteraceae_2
L40808	<i>Sulfurimonas denitrificans</i> DSM 1251	(2)	<i>Thiomicrospira denitrificans</i>	<i>Thiomicrospira denitrificans</i>
AF050545	uncultured eubacterium WCHB1-69	(2)	Epsilonproteobacteria I	CFB
AB013260	uncultured epsilon proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AY197396	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AY197410	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AF420362	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AY197375	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AF420344	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AY197378	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
AF154101	uncultured hydrocarbon seep bacterium GCA014	(2)	Epsilonproteobacteria I	Epsilon_I
AF029044	benzene mineralizing consortium clone SB-17	(2)	Epsilonproteobacteria I	Epsilon_I
AY197380	uncultured proteobacterium	(2)	Epsilonproteobacteria I	Epsilon_I
L35522	<i>Alvinella pompejana</i> epibiont	(2)	Epsilonproteobacteria	Epsilon_I
X70953	<i>Desulfobacula toluolica</i> ToI2	(2)	<i>Desulfobacula toluolica</i>	<i>Desulfobacula toluolica</i>
AJ237606	<i>Desulfobacula phenolica</i>	(2)	<i>Desulfobacterium phenolicum</i>	<i>Desulfobacterium phenolicum</i>
AY197397	uncultured bacterium	(2)	Deltaproteobacteria	Desulfobacteraceae
AF181776	<i>Desulfotignum balticum</i>	(2)	<i>Desulfotignum balticum</i>	<i>Desulfotignum balticum</i>
AJ441315	<i>Desulfobacter latus</i>	(2)	<i>Desulfobacter latus</i>	<i>Desulfobacter latus</i>
U12254	<i>Desulfobacter vibrioformis</i>	(2)	<i>Desulfobacter vibrioformis</i>	<i>Desulfobacter vibrioformis</i>
AY197376	uncultured proteobacterium	(2)	Deltaproteobacteria	Desulfobacteraceae
AY197402	uncultured proteobacterium	(2)	Deltaproteobacteria	Desulfobacteraceae
AY197413	uncultured proteobacterium	(2)	Deltaproteobacteria	Desulfobacteraceae
AY197389	uncultured proteobacterium	(2)	Deltaproteobacteria	Desulfobacteraceae
AY197382	uncultured proteobacterium	(2)	Deltaproteobacteria	Desulfobacteraceae
U51845	<i>Desulfococcus niacini</i>	(2)	<i>Desulfobacterium niacini</i>	<i>Desulfobacterium niacini</i>
M34409	<i>Desulfobacterium autotrophicum</i>	(2)	<i>Desulfobacterium autotrophicum</i>	<i>Desulfobacterium autotrophicum</i>
U45990	<i>Desulfonema limicola</i> str. Jadedusen	(2)	<i>Desulfonema limicola</i>	<i>Desulfonema limicola</i>
M34410	<i>Desulfobulbus propionicus</i>	(2)	<i>Desulfobulbus propionicus</i>	<i>Desulfobulbus propionicus</i>
X79412	<i>Desulfuromusa bakii</i>	(2)	<i>Desulfuromusa bakii</i>	<i>Desulfuromusa bakii</i>
AB013269	uncultured bacterium	(2)	Holophaga / Acidobacterium	Acidobacteria
AY197421	uncultured bacterium	(2)	Holophaga / Acidobacterium	Acidobacteria
AY197383	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197409	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197418	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197403	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197390	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197393	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197401	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AB015525	uncultured <i>Cytophaga</i> sp.	(2)	Cytophaga / Flavobacterium	<i>Cytophaga</i> sp.
AY197391	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197381	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AY197392	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AF196808	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
AF068798	uncultured bacterium VC2.1 Bac22	(2)	Cytophaga / Flavobacterium	CFB
AF029039	benzene mineralizing consortium clone SB-1	(2)	Cytophaga / Flavobacterium	CFB
AY197415	uncultured bacterium	(2)	Cytophaga / Flavobacterium	CFB
M31769	<i>Chlorobium limicola</i>	(2)	<i>Chlorobium limicola</i>	<i>Chlorobium limicola</i>
AF001653	uncultured eubacterium OCS146	(2)	SAR 406 Group	SAR406
U34043	uncultured SAR406 cluster bacterium	(2)	SAR 406 Group	SAR406
AY197420	uncultured bacterium	(2)	SAR 406 Group	SAR406
AY197423	uncultured bacterium	(2)	WS3	OP11_D2
AF423182	toluene-degrading methanogenic consortium bacterium	(2)	WS3	OP11_D2
AF050597	uncultured eubacterium WCHB1-01	(2)	WS6	WS6
AY197384	uncultured bacterium	(2)	WS6	WS6
AY197398	uncultured bacterium	(2)	Unaffiliated	PCGroup_D1
AY197407	uncultured bacterium	(2)	Unaffiliated	PCGroup_D1
AY197399	uncultured bacterium	(2)	Unaffiliated	PCGroup_D1
AY197400	uncultured bacterium	(2)	Unaffiliated	PCGroup_D1
AF19684	uncultured bacterium	(2)	Unaffiliated	PCGroup_D1

AY197419	uncultured bacterium	(2)	Unaffiliated	OD1
AF029049	benzene mineralizing consortium clone SB-34	(2)	GNS	D1_Chloroflexi
AB015556	uncultured bacterium	(2)	GNS	D1_Chloroflexi
AY197416	uncultured bacterium	(2)	GNS	D1_Chloroflexi
AF154084	uncultured hydrocarbon seep bacterium BPC110	(2)	GNS	D1_Chloroflexi
AF027044	unidentified green non-sulfur bacterium OPB34	(2)	GNS	D1_Chloroflexi
AY197386	uncultured bacterium	(2)	Verrucomicrobia	Verruco_D5
AJ009463	uncultured bacterium SJA-43	(2)	SJA43	SJA43_WS1
AY197405	uncultured bacterium	(2)	SJA43	SJA43_WS1
AY197424	uncultured bacterium	(2)	SJA43	SJA43_WS1
AF419671	uncultured bacterium	(2)	OP8	OP8
AB013270	uncultured bacterium	(2)	OP8	OP8
AF419670	uncultured bacterium	(2)	OP8	OP8
AY197394	uncultured bacterium	(2)	OP8	OP8
AF419691	uncultured bacterium	(2)	OP8	OP8
M87055	wall-less spirochete	(2)	Spirochaetes	Spirochaetes
M71239	<i>Spirochaeta bajacalforniensis</i>	(2)	<i>Spirochaeta bajacalforniensis</i>	<i>Spirochaeta bajacalforniensis</i>
AY197374	uncultured bacterium	(2)	Spirochaetes	Spirochaetes
AJ009493	uncultured bacterium SJA-136	(2)	Firmicutes	Firmicutes
AY197417	uncultured bacterium	(2)	Firmicutes	Firmicutes
X77837	<i>Clostridium halophilum</i>	(2)	<i>Clostridium halophilum</i>	<i>Clostridium halophilum</i>
Y11570	<i>Desulfosporosinus orientis</i> DSM 765	(2)	<i>Desulfotomaculum orientis</i>	<i>Desulfotomaculum orientis</i>
Y11573	<i>Desulfotomaculum thermoacetoxidans</i>	(2)	<i>Desulfotomaculum thermoacetoxidans</i>	<i>Desulfotomaculum thermoacetoxidans</i>
Y11575	<i>Desulfotomaculum thermosapovorans</i>	(2)	<i>Desulfotomaculum thermosapovorans</i>	<i>Desulfotomaculum thermosapovorans</i>
AF029050	benzene mineralizing consortium clone SB-45	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AY197377	uncultured bacterium	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AY197412	uncultured bacterium	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AF419693	uncultured bacterium	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AF029043	benzene mineralizing consortium clone SB-15	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AY197414	uncultured bacterium	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AY197406	uncultured bacterium	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AF419682	uncultured bacterium	(2)	Bacterial group from methane -and hydrocarbon-rich sediments	JS1
AF031479	<i>Acholeplasma vituli</i>	(2)	<i>Acholeplasma palakii</i>	<i>Acholeplasma palakii</i>
AY197395	uncultured bacterium	(2)	Mollicutes	Mollicutes
AJ006853	sulfate-reducing bacterium mXy51	(3)	<i>Desulfobacterium anilini</i> group	Desulfobacterales_2
AF354145	uncultured delta proteobacterium	(3)	Eel1	Desulfobacterales_2
AJ535238	uncultured delta proteobacterium	(3)	Desulfobulbaceae	Desulfobulbaceae_1
AJ575987	uncultured delta proteobacterium	(3)	Desulfobulbaceae	Desulfobulbaceae_1
AY771958	uncultured delta proteobacterium	(3)	Desulfobulbaceae	Desulfobulbaceae
AJ441235	uncultured delta proteobacterium	(3)	Deltaproteobacteria	Desulfobacterales_1
AB021367	Marinobacterium stanieri	(3)	<i>Pseudomonas stanieri</i>	<i>Pseudomonas stanieri</i>
AJ241003	uncultured Holophaga/Acidobacterium Sva0725	(3)	Acidobacteria	Acidobacteria
AY225643	uncultured Acidobacteriaceae bacterium	(3)	Acidobacteria	Acidobacteria
U41563	<i>Geothrix fermentans</i>	(3)	<i>Geothrix fermentans</i>	<i>Geothrix fermentans</i>
Y11566	<i>Desulfotomaculum acetoxidans</i> DSM 771	(3)	<i>Desulfotomaculum acetoxidans</i>	<i>Desulfotomaculum acetoxidans</i>
AY547836	uncultured bacterium	(3)	Hypersalin Group I	Unaffiliated_D3
AF029050	benzene mineralizing consortium clone SB-45	(3)	JS1	JS1
AY053496	uncultured candidate division JS1 bacterium	(3)	JS1	JS1
AF029076	uncultured <i>Pirellula</i> clone SH12	(3)	Planctomycetales	Planctomycetales
AJ241009	uncultured Planctomycetes Sva0503	(3)	Planctomycetales	WPS1
AY254883	Candidatus <i>Scalindua brodae</i>	(3)	<i>C. Scalindua brodae</i>	<i>C. Scalindua brodae</i>
AY254882	Candidatus <i>Scalindua wagneri</i>	(3)	<i>C. Scalindua wagneri</i>	<i>C. Scalindua wagneri</i>
AJ704718	uncultured Aminicenantes bacterium	(3)	OP8	OP8
AF027067	candidate division OP8 clone OPB5	(3)	OP8	OP8
AF079507	<i>Denitrobacterium detoxificans</i>	(3)	<i>Denitrobacterium detoxificans</i>	<i>Denitrobacterium detoxificans</i>
AB234236	uncultured bacterium	(3)	Actinobacteria	Coriobacteriales
AB074931	uncultured actinobacterium	(3)	Actinobacteria	Coriobacteriales
DQ009431	uncultured marine bacterium	(3)	Actinobacteria	Acidimicrobiales
AY093455	uncultured bacterium	(3)	Actinobacteria	Acidimicrobiales
AJ241005	uncultured High G+C Gram-positive bacterium Sva0996	(3)	Actinobacteria	Acidimicrobiales
X96726	<i>Thermodesulfobivria islandicus</i>	(3)	<i>Thermodesulfobivria islandicus</i>	<i>Thermodesulfobivria islandicus</i>
AY869676	uncultured bacterium	(3)	Chloroflexi	D2_Chloroflexi
AJ308501	<i>Chloroflexus aurantiacus</i>	(3)	<i>Chloroflexus aurantiacus</i>	<i>Chloroflexus aurantiacus</i>
AJ937689	uncultured bacterium	(3)	Hydrocarbon-associated Group	HAG_OP1
AY053495	uncultured bacterium	(3)	Hydrocarbon-associated Group	HAG_OP1
AY226324	uncultured KB1 group bacterium	(3)	KB1	KB1
DQ768117	<i>Myxococcus fulvus</i>	(4)	<i>Myxococcus fulvus</i>	<i>Myxococcus fulvus</i>
AB015244	uncultured delta proteobacterium	(4)	<i>Desulfobacterium sp.</i>	Desulfobacterium
AF418177	<i>Desulfobacterium autotrophicum</i>	(4)	<i>Desulfobacterium autotrophicum</i>	<i>Desulfobacterium autotrophicum</i>
AF354164	uncultured delta proteobacterium	(4)	SEEP-SRB1	SEEP-SRB1a
AJ704681	uncultured delta proteobacterium	(4)	DSS	Desulfobacteraceae
AJ237603	<i>Desulfosarcina cetonica</i>	(4)	<i>Desulfobacterium cetonicum</i>	Desulfosarcina
AJ237607	<i>Desulfobacterium indolicum</i>	(4)	<i>Desulfobacterium indolicum</i>	<i>Desulfobacterium indolicum</i>
DQ133911	uncultured bacterium	(4)	DSS	Desulfobacteraceae
AY771942	uncultured delta proteobacterium	(4)	Desulfobacteraceae	SEEP-SRB1c
AJ237601	<i>Desulfobacterium anilini</i>	(4)	<i>Desulfobacterium anilini</i>	<i>Desulfobacterium anilini</i>
AJ704686	uncultured delta proteobacterium	(4)	<i>D. anilini</i> group	Desulfobacterales_2
AJ237602	<i>Desulfobacterium catecholicum</i>	(4)	<i>Desulfobacterium catecholicum</i>	Desulfobulbaceae_1
AY771966	uncultured delta proteobacterium	(4)	Desulfobulbaceae	Desulfobulbaceae_1
AY771932	delta proteobacterium Lack10	(4)	<i>Desulfocapsa sp.</i>	Desulfobulbaceae_1
DQ521816	uncultured bacterium	(4)	<i>Desulfocapsa sp.</i>	Desulfobulbaceae_1
EU265788	uncultured delta proteobacterium	(4)	<i>Desulfocapsa sp.</i>	Desulfobulbaceae_1
DQ521786	uncultured bacterium	(4)	Eel2	SEEP-SRB2
AJ535254	uncultured delta proteobacterium	(4)	Eel2	SEEP-SRB2
AF354149	uncultured delta proteobacterium	(4)	Eel2	SEEP-SRB2
DQ447183	<i>Desulfobivria paquesii</i>	(4)	<i>Desulfobivria paquesii</i>	<i>Desulfobivria paquesii</i>
X82874	<i>Syntrophobacter fumaroxidans</i> MPOB	(4)	<i>Syntrophobacter fumaroxidans</i>	<i>Syntrophobacter fumaroxidans</i>
AF050578	uncultured eubacterium WCHA1-48	(4)	WS1	SJA43_WS1
AB177145	uncultured bacterium	(4)	WS1	SJA43_WS1
AY257181	Candidatus <i>Scalindua sorokinii</i>	(4)	<i>C. Scalindua sorokinii</i>	<i>C. Scalindua sorokinii</i>
EF208657	uncultured bacterium	(4)	Planctomycetes / Verrucomicrobia	Planctomycetes
AY222315	uncultured Verrucomicrobia bacterium	(4)	Planctomycetes / Verrucomicrobia	Verruco_D5
AJ535231	uncultured bacterium	(4)	Hypersaline group II	Unaffiliated_D2
DQ521801	uncultured bacterium	(4)	Hypersaline group II	WS3/HG2
EF687368	uncultured bacterium	(4)	Hypersaline group II	WS3/HG2
AF385537	<i>Holophaga sp.</i> oral clone CA002	(4)	<i>Holophaga sp.</i>	<i>Holophaga sp.</i>
AY225646	uncultured Acidobacteriaceae bacterium	(4)	Holophaga / Acidobacteria	Acidobacteria
DQ017940	uncultured bacterium	(4)	Holophaga / Acidobacteria	D6_Acidobacteria
AY114331	uncultured candidate division BRC1 bacterium	(4)	Unclassified	BRC1
AB015247	uncultured alpha proteobacterium	(4)	Rhodobacteraceae	Rhodobacterales
D16421	<i>Rhodobacter veldkampii</i> DSM 11550	(4)	Rhodobacteraceae	Rhodobacterales
M59063	<i>Roseobacter denitrificans</i> OCh 114	(4)	<i>Rhodobacter veldkampii</i>	<i>Rhodobacter veldkampii</i>
AY845233	uncultured bacterium	(4)	<i>Roseobacter sp.</i>	<i>Roseobacter sp.</i>
EU491409	uncultured bacterium	(4)	Alphaproteobacteria	Alphaproteobacteria
AB036709	<i>Bathymodiulus septemdiemum</i> thioautotrophic gill symbiont	(4)	Clam Gill Symbiont I	CGS1
DQ351743	uncultured gamma proteobacterium	(4)	Clam Gill Symbiont I	Gammaproteobacteria
AB188770	<i>Maarthyas hadalis</i> gill thioautotrophic symbiont II	(4)	<i>M. hadalis</i> gill symbiont II	MHGSII
AB042414	<i>Maarthyas hadalis</i> gill thioautotrophic symbiont II	(4)	<i>M. hadalis</i> gill symbiont II	MHGSII
DQ490023	uncultured bacterium	(4)	<i>M. hadalis</i> gill symbiont II	MHGSII
AB166731	<i>Thiomicrospira thermophila</i>	(4)	<i>Thiomicrospira thermophila</i>	<i>Thiomicrospira thermophila</i>
AF013975	<i>Thiomicrospira chilensis</i>	(4)	<i>Thiomicrospira sp.</i>	<i>Thiomicrospira sp.</i>
AF304197	<i>Methylobacter marinus</i>	(4)	<i>Methylobacter marinus</i>	<i>Methylobacter marinus</i>
AF304196	<i>Methylamonas methanica</i>	(4)	<i>Methylamonas methanica</i>	<i>Methylamonas methanica</i>
M90415	<i>Salemya velum</i> gill symbiont	(4)	Clam Gill Symbiont II	CGS2_a
AB252438	uncultured bacterium	(4)	Clam Gill Symbiont II	CGS2_a
AF170423	sulfur-oxidizing bacterium OAI12	(4)	Free-living S oxidizer	Gammaproteobacteria
AY225633	uncultured gamma proteobacterium	(4)	Gammaproteobacteria	Gammaproteobacteria

EU491163	uncultured bacterium	(4)	Gamma proteobacteria	Gamma_2
DQ513032	uncultured bacterium	(4)	Gamma proteobacteria	Gamma proteobacteria
AJ240987	uncultured gamma proteobacterium Sva0091	(4)	Gamma proteobacteria	Gamma_1
L40998	<i>Thioplaca ingrica</i>	(4)	<i>Thioplaca ingrica</i>	<i>Thioplaca ingrica</i>
AF110275	<i>Beggiatoa</i> sp. AASA	(4)	<i>Beggiatoa</i> sp.	Beggiatoa
D12661	<i>Cytophaga fermentans</i> DSM 9555	(4)	<i>Cytophaga fermentans</i>	<i>Cytophaga fermentans</i>
AJ535258	uncultured Cytophagales bacterium	(4)	Bacteroidetes	CFB
AF419690	uncultured bacterium	(4)	Bacteroidetes	CFB
AB067647	<i>Caldilinea aerophila</i> DSM 14535 = NBRC 104270	(4)	<i>Caldilinea aerophila</i>	<i>Caldilinea aerophila</i>
AB046413	<i>Anaerolinea thermophila</i>	(4)	<i>Anaerolinea thermophila</i>	<i>Anaerolinea thermophila</i>
AY92350	uncultured bacterium	(4)	Chloroflexi	D1_Chloroflexi
AB177188	uncultured bacterium	(4)	Chloroflexi	D2_Chloroflexi
DQ223076	uncultured bacterium	(4)	Chloroflexi	D2_Chloroflexi
AF393781	<i>Dehalobium chloroercozia</i> DF-1	(4)	<i>Dehalobium chloroercozia</i>	<i>Dehalobium chloroercozia</i>
DQ330175	uncultured Chloroflexi bacterium	(4)	Chloroflexi	D2_Chloroflexi
AY92678	uncultured bacterium	(4)	Chloroflexi	Chloroflexi
EU797471	uncultured bacterium	(5)	Bacteroidetes	CFB
FM16073	uncultured bacterium	(5)	Bacteroidetes	CFB
AY216454	uncultured bacterium	(5)	Bacteroidetes	CFB
FJ544918	<i>Flavobacterium</i> sp. KOPRI 25160	(5)	<i>Flavobacterium</i> sp.	CFB
EU101178	uncultured bacterium	(5)	Chlorobi	Chlorobi
EU644478	uncultured <i>Fusobacterium</i> sp.	(5)	<i>Fusobacterium</i> sp.	Fusobacterium
DQ811940	uncultured Microgenomates bacterium	(5)	OP11	PCGroup_D3
EU925868	uncultured bacterium	(5)	WS2	WS2
EU488103	uncultured bacterium	(5)	Chloroflexi	Chloroflexi
AY869675	uncultured bacterium	(5)	Chloroflexi	D2_Chloroflexi
FJ455882	uncultured bacterium	(5)	Chloroflexi	D2_Chloroflexi
AY165308	<i>Dehalococcoides</i> sp. BAV1	(5)	<i>Dehalococcoides</i> sp.	<i>Dehalococcoides</i> sp.
EF208705	uncultured bacterium	(5)	Chloroflexi	D1_Chloroflexi
EF208701	uncultured bacterium	(5)	Chloroflexi	D1_Chloroflexi
EF208698	uncultured bacterium	(5)	Chloroflexi	D1_Chloroflexi
EU617894	uncultured bacterium	(5)	Chloroflexi	D1_Chloroflexi
AM745142	uncultured bacterium	(5)	Chloroflexi	D1_Chloroflexi
DQ004670	uncultured bacterium	(5)	Unaffiliated	Firmicutes
EU266857	uncultured Thermoanaerobacteraceae bacterium	(5)	TG-1	TG1
EU290738	uncultured bacterium	(5)	OP8	OP8
EU181480	uncultured bacterium	(5)	OP8	OP8
FM165244	uncultured bacterium	(5)	OP8	OP8
FJ455891	uncultured bacterium	(5)	JS1	JS1
AM745209	uncultured candidate division JS1 bacterium	(5)	JS1	JS1
EU181470	uncultured bacterium	(5)	JS1	JS1
DQ256327	uncultured bacterium	(5)	Firmicutes	Firmicutes
AM745203	uncultured Firmicutes bacterium	(5)	Firmicutes	Firmicutes
AY574991	<i>Catabacter hongkongensis</i>	(5)	<i>Catabacter hongkongensis</i>	<i>Catabacter_hongkongensis</i>
FJ264756	uncultured bacterium	(5)	Firmicutes	Firmicutes
EU557007	uncultured bacterium	(5)	Firmicutes	Bacillales
AM085483	uncultured bacterium	(5)	Firmicutes	Bacillales
EU071516	uncultured <i>Gemella</i> sp.	(5)	Firmicutes	<i>Gemella</i> sp.
AJ535232	uncultured bacterium	(5)	Unaffiliated	Unaffiliated_D2
DQ004672	uncultured bacterium	(5)	Unaffiliated	Spirochaetes
EF125446	uncultured bacterium	(5)	Planctomycetes	WPS1
EU734941	uncultured bacterium	(5)	Planctomycetes	Planctomycetes
EU287152	uncultured bacterium	(5)	Planctomycetes	Planctomycetes
EU491166	uncultured bacterium	(5)	Planctomycetes	Planctomycetales
AB476212	uncultured bacterium	(5)	Planctomycetes	Planctomycetales
FJ455880	uncultured bacterium	(5)	Planctomycetes	Planctomycetales
FJ205382	uncultured actinobacterium	(5)	Actinobacteria	Gemmati_D3
EU266850	uncultured actinobacterium	(5)	Actinobacteria	Coriobacteriales
AY457075	<i>Mycobacterium mucogenicum</i>	(5)	<i>Mycobacterium mucogenicum</i>	<i>Mycobacterium mucogenicum</i>
DQ394984	uncultured bacterium	(5)	Actinobacteria	Acidimicrobiales
EU735028	uncultured bacterium	(5)	Actinobacteria	Acidimicrobiales
FJ545448	uncultured bacterium	(5)	Actinobacteria	Acidimicrobiales
EU488483	uncultured bacterium	(5)	Deferribacteres	Caldithrix
EU101251	uncultured bacterium	(5)	Deferribacteres	Caldithrix
DQ811936	uncultured Deferribacteres bacterium	(5)	Deferribacteres	Caldithrix
DQ499291	uncultured bacterium	(5)	WS3	Unaffiliated
EU048666	uncultured bacterium	(5)	WS3	Unaffiliated
EU487957	uncultured bacterium	(5)	WS3	WS3/HG2
EU286999	uncultured bacterium	(5)	WS3	WS3/HG2
DQ811950	uncultured bacterium	(5)	WS3	WS3/HG2
AM745159	uncultured bacterium	(5)	WS3	WS3/HG2
EU246254	uncultured organism	(5)	Acidobacteria	Acidobacteria
EF687475	uncultured bacterium	(5)	Acidobacteria	Acidobacteria
AM040134	uncultured Acidobacteriaceae bacterium	(5)	Acidobacteria	Acidobacteria
EU734999	uncultured bacterium	(5)	Acidobacteria	Acidobacteria
EU925866	uncultured bacterium	(5)	Acidobacteria	Acidobacteria
AM712325	uncultured Acidobacteria bacterium	(5)	Acidobacteria	Acidobacteria
EU622295	uncultured bacterium	(5)	Deltaproteobacteria	SEEP-SRB1a
AF354164	uncultured delta proteobacterium	(5)	Deltaproteobacteria	SEEP-SRB1a
FJ264783	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobacteraceae_1
FM165265	uncultured bacterium	(5)	Deltaproteobacteria	SEEP-SRB1e
EU925915	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobacteraceae
DQ154844	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobacteraceae
DQ826724	<i>Desulfatiferula olenfinivorans</i>	(5)	<i>Desulfatiferula olenfinivorans</i>	<i>Desulfatiferula olenfinivorans</i>
AJ620497	<i>Olavius algarvensis</i> Delta 4 endosymbiont	(5)	Deltaproteobacteria	Desulfobacteraceae
FM179879	uncultured bacterium	(5)	Deltaproteobacteria	Gamma proteobacteria
AY851292	<i>Algorimarina butyrica</i>	(5)	<i>Algorimarina butyrica</i>	<i>Algorimarina butyrica</i>
EU632291	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobacteraceae_3
AY344393	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobacterales_2
EU622296	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobacterales_2
FM165234	uncultured bacterium	(5)	Deltaproteobacteria	Deltaproteobacteria
AF420340	uncultured proteobacterium	(5)	Deltaproteobacteria	Desulfobacterales_1
FJ264661	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae
DQ004674	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae
FJ264787	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae
AB252437	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae
EU016430	uncultured Desulfobulbaceae bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae
AY92401	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae
FJ264573	uncultured bacterium	(5)	Deltaproteobacteria	SEEP-SRB4
AM745165	uncultured delta proteobacterium	(5)	Deltaproteobacteria	Desulfobulbaceae_1
FJ264671	uncultured bacterium	(5)	Deltaproteobacteria	Desulfobulbaceae_1
AF084855	<i>Bdellovibrio marinus</i>	(5)	<i>Bdellovibrio</i> sp.	<i>Bdellovibrio</i> sp.
AJ704676	uncultured delta proteobacterium	(5)	Deltaproteobacteria	Bdellovibrionales
EU617741	uncultured bacterium	(5)	Deltaproteobacteria	Nitrospiraceae
FJ024329	uncultured delta proteobacterium	(5)	Deltaproteobacteria	Nitrospiraceae
FJ264777	uncultured bacterium	(5)	Deltaproteobacteria	Unaffiliated_D1
EU283371	uncultured Firmicutes bacterium	(5)	Deltaproteobacteria	Unaffiliated
FJ205191	uncultured delta proteobacterium	(5)	Deltaproteobacteria	Unaffiliated_D4
EF125442	uncultured bacterium	(5)	Deltaproteobacteria	Mycococcales
EF108312	<i>Haliangium ochraceum</i>	(5)	<i>Haliangium ochraceum</i>	<i>Haliangium ochraceum</i>
EU617833	uncultured bacterium	(5)	Deltaproteobacteria	Mycococcales
FJ184338	uncultured soil bacterium	(5)	Betaproteobacteria	<i>Achromobacter</i> Group
AF439314	<i>Achromobacter xylosoxidans</i>	(5)	<i>Achromobacter xylosoxidans</i>	<i>Achromobacter xylosoxidans</i>
FJ437813	uncultured bacterium	(5)	Betaproteobacteria	Betaproteobacteria
AJ318524	<i>Rhodovibrio sodomensis</i>	(5)	<i>Rhodovibrio sodomensis</i>	<i>Rhodovibrio sodomensis</i>
EF575084	uncultured bacterium	(5)	Alphaproteobacteria	Alphaproteobacteria
U87779	<i>Afipia</i> genosp. 9	(5)	Alphaproteobacteria	Rhizobiales

AY364020	<i>Methylobacterium goeisingense</i>	(5)	Alphaproteobacteria	Rhizobiales
EU881315	uncultured bacterium	(5)	Alphaproteobacteria	Alphaproteobacteria
FJ205181	uncultured alpha proteobacterium	(5)	Alphaproteobacteria	Alphaproteobacteria
DQ2270644	uncultured bacterium	(5)	Alphaproteobacteria	Rhodobacterales
FJ196064	<i>Thalassobius</i> sp. Z56-18	(5)	<i>Thalassobius</i> sp.	<i>Thalassobius</i> sp.
EU373863	uncultured alpha proteobacterium	(5)	Alphaproteobacteria	Rhodobacterales
DQ832646	uncultured bacterium	(5)	Alphaproteobacteria	Rhodobacterales
AF367487	uncultured epsilon proteobacterium	(5)	Epsilonproteobacteria	PCGroup_D1
AB015518	unidentified proteobacterium	(5)	Epsilonproteobacteria	PCGroup_D1
EU101234	uncultured bacterium	(5)	Epsilonproteobacteria	Campylobacteraceae_2
DQ234177	uncultured Campylobacteraceae bacterium	(5)	Epsilonproteobacteria	Campylobacteraceae_2
FJ264679	uncultured bacterium	(5)	Epsilonproteobacteria	Epsilon_1
DQ071101	uncultured marine bacterium	(5)	Epsilonproteobacteria	Helicobacteraceae_2
EU487983	uncultured bacterium	(5)	Epsilonproteobacteria	Helicobacteraceae_2
EU487981	uncultured bacterium	(5)	Epsilonproteobacteria	Helicobacteraceae_2
FJ205282	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
FJ264668	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
AM882526	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
AB015250	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
AM040128	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
DQ228657	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
X87277	<i>Leucothrix mucor</i> DSM 2157	(5)	<i>Leucothrix mucor</i>	<i>Leucothrix mucor</i>
EU555124	uncultured bacterium	(5)	Gammaproteobacteria	Leucothrix_Group
EU265784	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Leucothrix_Group
AM882525	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Methylococcales
DQ270617	uncultured bacterium	(5)	Gammaproteobacteria	Methylococcales
DQ270612	uncultured bacterium	(5)	Gammaproteobacteria	Methylococcales
DQ270629	uncultured bacterium	(5)	Gammaproteobacteria	Methylococcales
AF016981	<i>Methylobacter</i> sp. BB5.1	(5)	Gammaproteobacteria	Methylobacter
FJ264669	uncultured bacterium	(5)	Gammaproteobacteria	MHGSII
AY197388	uncultured proteobacterium	(5)	Gammaproteobacteria	MHGSII
DQ394903	uncultured proteobacterium	(5)	Gammaproteobacteria	CGS2_b
AF420355	uncultured proteobacterium	(5)	Gammaproteobacteria	CGS2_b
EU617749	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
AF420353	uncultured proteobacterium	(5)	Gammaproteobacteria	CGS2_a
EU652540	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU491143	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
AB294933	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU287104	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU925855	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU734923	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_1
FJ416087	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_1
FJ264563	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_1
EU491419	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
FMI19879	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU491101	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU617768	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
EU287137	uncultured bacterium	(5)	Gammaproteobacteria	Gammaproteobacteria
AB189342	uncultured gamma proteobacterium	(5)	Gammaproteobacteria	Gamma_2
EU491555	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_2
EU491318	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_2
EU287229	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_2
FJ264571	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_2
FJ264567	uncultured bacterium	(5)	Gammaproteobacteria	Gamma_2
EU530456	uncultured <i>Shigella</i> sp.	(5)	<i>Shigella</i> sp.	<i>Shigella</i> sp.
EU914257	<i>Serratia nematodiphila</i>	(5)	<i>Serratia nematodiphila</i>	<i>Serratia nematodiphila</i>
AY758371	uncultured bacterium	(5)	Gammaproteobacteria	Pseudomonadales_1
D84002	<i>Pseudomonas luteola</i>	(5)	<i>Pseudomonas luteola</i>	<i>Pseudomonas luteola</i>
DQ911549	<i>Acinetobacter johnsonii</i>	(5)	<i>Acinetobacter johnsonii</i>	<i>Acinetobacter</i>
FJ192980	uncultured <i>Acinetobacter</i> sp.	(5)	<i>Acinetobacter</i> sp.	<i>Acinetobacter</i>
AY592229	uncultured bacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
AF354144	uncultured delta proteobacterium	(6)	SEEP-SRB1c	Desulfobacterales_2
EU179164	uncultured bacterium	(6)	SEEP-SRB1c	Desulfobacterales_2
EU048629	uncultured bacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
AB177130	uncultured bacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
EU181464	uncultured bacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
EU124392	uncultured delta proteobacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
DQ811835	uncultured delta proteobacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
DQ330998	uncultured proteobacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
DQ109912	uncultured delta proteobacterium	(6)	SEEP-SRB1c	SEEP-SRB1c
EU179182	uncultured bacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
AF354163	uncultured delta proteobacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
AM040136	uncultured delta proteobacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
FMI19872	uncultured delta proteobacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
FMI19902	uncultured delta proteobacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
FN550082	uncultured bacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
EU124394	uncultured delta proteobacterium	(6)	SEEP-SRB1e	SEEP-SRB1e
AY592894	uncultured bacterium	(6)	SEEP-SRB1d	Desulfobacteraceae
DQ811820	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
DQ351775	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
AY771936	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
EF061950	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
DQ521790	uncultured bacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
AJ704677	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
AY592342	uncultured bacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
AM745215	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
AJ535249	uncultured delta proteobacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
EU047539	uncultured sulfate-reducing bacterium	(6)	SEEP-SRB1d	SEEP-SRB1d
DQ007534	uncultured bacterium	(6)	SEEP-SRB1b	SEEP-SRB1b
EU179207	uncultured bacterium	(6)	SEEP-SRB1b	Desulfobacteraceae_2
EU178996	uncultured bacterium	(6)	SEEP-SRB1b	Desulfobacteraceae_2
AJ535247	uncultured delta proteobacterium	(6)	SEEP-SRB1b	SEEP-SRB1b
AF354147	uncultured delta proteobacterium	(6)	SEEP-SRB1b	SEEP-SRB1b
AB177195	uncultured bacterium	(6)	SEEP-SRB1b	SEEP-SRB1b
AF354151	uncultured delta proteobacterium	(6)	SEEP-SRB1b	SEEP-SRB1b
AM229199	uncultured bacterium	(6)	SEEP-SRB1f	SEEP-SRB1f
AY592383	uncultured bacterium	(6)	SEEP-SRB1f	SEEP-SRB1f
AJ535235	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AF354160	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
DQ004675	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU179074	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AJ704697	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
DQ103601	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AJ535240	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU179072	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN550032	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU179189	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN549927	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN550069	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU124391	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU179049	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN549977	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN549955	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN550070	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AF354158	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AF354164	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN549961	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a

AB188779	uncultured delta proteobacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AY592178	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
DQ103597	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU179158	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
EU179043	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN549974	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
FN550008	uncultured bacterium	(6)	SEEP-SRB1a	SEEP-SRB1a
AF419666	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AJ009453	uncultured bacterium SJA-15	(7)	GNS	D1_Chloroflexi
AF027041	unidentified green non-sulfur bacterium OPT90	(7)	GNS	D1_Chloroflexi
AF419664	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF419665	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF419668	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF419669	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF419667	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF419689	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF419695	uncultured bacterium	(7)	GNS	D1_Chloroflexi
AF039293	<i>Herpetosiphon geysericola</i>	(7)	<i>Herpetosiphon geysericola</i>	<i>Herpetosiphon geysericola</i>
D38365	<i>Chloroflexus aurantiacus</i> J-10-fl	(7)	<i>Chloroflexus aurantiacus</i>	<i>Chloroflexus aurantiacus</i>
AF027049	Caldiserica clone OPS107	(7)	OP5	OP5
AF419685	uncultured bacterium	(7)	v	OP5
AB015267	uncultured bacterium	(7)	High G+C grampositives	Acidimicrobiales
AF419678	uncultured bacterium	(7)	High G+C grampositives	Acidimicrobiales
AB015539	uncultured actinomycete	(7)	High G+C grampositives	Acidimicrobiales
AJ240976	uncultured High G+C Gram-positive bacterium Sva0389	(7)	High G+C grampositives	Acidimicrobiales
AF419679	uncultured bacterium	(7)	High G+C grampositives	Acidimicrobiales
M61903	<i>Propionibacterium acnes</i>	(7)	<i>Propionibacterium acnes</i>	<i>Propionibacterium acnes</i>
AF419680	uncultured bacterium	(7)	High G+C grampositives	Actinomycetales
AF419658	uncultured bacterium	(7)	OP11	OP11_D1
AF419660	uncultured bacterium	(7)	OP11	OP11_D1
AF419659	uncultured bacterium	(7)	OP11	OP11_D1
AF419694	uncultured bacterium	(7)	OP11	OP11
AF050599	uncultured eubacterium WCHB1-26	(7)	OP11	OP11_D2
AF419686	uncultured bacterium	(7)	OP11	OP11_D2
AB015580	uncultured bacterium	(7)	OP11	OD1
AB015569	uncultured bacterium	(7)	OP11	OD1
AF419697	uncultured bacterium	(7)	OP11	OD1
AF419683	uncultured bacterium	(7)	OP11	OD1
AF050596	uncultured eubacterium WCHB1-15	(7)	OP11	WS6
AB015532	uncultured <i>Cytophaga</i> sp.	(7)	<i>Cytophaga</i> sp.	<i>Cytophaga</i> sp.
AF050543	uncultured eubacterium WCHB1-32	(7)	CFB	CFB
AF419687	uncultured bacterium	(7)	CFB	CFB
M64629	<i>Tenacibaculum maritimum</i>	(7)	<i>Tenacibaculum maritimum</i>	<i>Tenacibaculum maritimum</i>
AB015545	uncultured <i>Cytophaga</i> sp.	(7)	<i>Cytophaga</i> sp.	CFB
AF419681	uncultured bacterium	(7)	CFB	CFB
AF154106	uncultured hydrocarbon seep bacterium GCA025	(7)	Bacterial group associated with OP9 candidate division	JS1
AF029050	benzene mineralizing consortium clone SB-45	(7)	Bacterial group associated with OP9 candidate division	JS1
AF419693	uncultured bacterium	(7)	Bacterial group associated with OP9 candidate division	JS1
AF419682	uncultured bacterium	(7)	Bacterial group associated with OP9 candidate division	JS1
AB015559	uncultured bacterium	(7)	OP3	OP3
AF419696	uncultured bacterium	(7)	OP3	OP3
AF419672	uncultured bacterium	(7)	Planctomycetales	Planctomycetales
AF419698	uncultured bacterium	(7)	Planctomycetales	Planctomycetales
X62912	<i>Blastopirellula marina</i> DSM 3645	(7)	<i>Pirellula marina</i>	<i>Pirellula marina</i>
AJ231184	<i>Planctomyces maris</i>	(7)	<i>Planctomyces maris</i>	<i>Planctomyces maris</i>
AF202655	anoxic biofilm clone Pla1-47	(7)	Planctomycetales	C. Brocadiales
AF419673	uncultured bacterium	(7)	Planctomycetales	Planctomycetales
AF154096	uncultured hydrocarbon seep bacterium BPC076	(7)	Planctomycetales	Deltaproteobacteria
AF050553	uncultured eubacterium WCHA1-83	(7)	OP8	OP8
AF050554	uncultured eubacterium WFeA1-35	(7)	OP8	OP8
AF419675	uncultured bacterium	(7)	Guaymas Bacterial group (GBG)	GBG
AF419676	uncultured bacterium	(7)	Guaymas Bacterial group (GBG)	GBG
AF419677	uncultured bacterium	(7)	Guaymas Bacterial group (GBG)	GBG
X96725	<i>Thermodesulfobacterium hveragerdense</i>	(7)	<i>Thermodesulfobacterium hveragerdicum</i>	<i>Thermodesulfobacterium hveragerdicum</i>
AF420367	uncultured proteobacterium	(7)	Gammaproteobacteria	CGS2_a
AJ240986	uncultured gamma proteobacterium Sva0071	(7)	Gammaproteobacteria	Gammaproteobacteria
L25707	<i>Lucina floridana</i> gill symbiont	(7)	Gammaproteobacteria	CGS2_b
L25711	<i>Anodontia philippiana</i> gill symbiont	(7)	Gammaproteobacteria	CGS2_b
AF420370	uncultured proteobacterium	(7)	Gammaproteobacteria	Gammaproteobacteria
D86374	<i>Hydrogenovibrio marinus</i>	(7)	<i>Hydrogenovibrio marinus</i>	<i>Hydrogenovibrio marinus</i>
AF420363	uncultured proteobacterium	(7)	Gammaproteobacteria	MHGSII
AF064543	<i>Beggiatoa</i> sp. 'Monterey Canyon'	(7)	<i>Beggiatoa</i> sp.	Beggiatoa
AF035956	<i>Beggiatoa</i> sp. 'Bay of Concepcion'	(7)	<i>Beggiatoa</i> sp.	Beggiatoa
L40994	<i>Beggiatoa alba</i>	(7)	<i>Beggiatoa alba</i>	<i>Beggiatoa alba</i>
AB015252	uncultured gamma proteobacterium	(7)	Gammaproteobacteria	Gamma_1
AF420361	uncultured proteobacterium	(7)	Gammaproteobacteria	Gamma_1
AJ240989	uncultured gamma proteobacterium Sva0318	(7)	Gammaproteobacteria	Gamma_1
X82875	<i>Syntrophobacter pfenningii</i>	(7)	<i>Syntrophobacter pfenningii</i>	<i>Syntrophobacter pfenningii</i>
X83274	<i>Desulforhabdus amnigena</i>	(7)	<i>Desulforhabdus amnigena</i>	<i>Desulforhabdus amnigena</i>
U25627	<i>Thermodesulforhabdus norvegica</i>	(7)	<i>Thermodesulforhabdus norvegicus</i>	<i>Thermodesulforhabdus norvegicus</i>
L27426	<i>Desulfococcus infernum</i>	(7)	<i>Desulfococcus infernum</i>	<i>Desulfococcus infernum</i>
AF420341	uncultured proteobacterium	(7)	Deltaproteobacteria	Deltaproteobacteria
AF420368	uncultured proteobacterium	(7)	Desulfobulbaceae	SEEP-SRB4
AF420365	uncultured proteobacterium	(7)	Desulfobulbaceae	SEEP-SRB4
AF099061	<i>Desulfotalea arctica</i>	(7)	<i>Desulfotalea arctica</i>	<i>Desulfotalea arctica</i>
AF420339	uncultured proteobacterium	(7)	Deltaproteobacteria	Desulfobacteriales_1
M34408	<i>Desulfobacterium vacuolatum</i>	(7)	<i>Desulfobacterium vacuolatum</i>	<i>Desulfobacterium vacuolatum</i>
AF420349	uncultured proteobacterium	(7)	Desulfobacteriaceae	Desulfobacteriaceae
AF420356	uncultured proteobacterium	(7)	Myxobacteria	Myxococcales
AF420357	uncultured proteobacterium	(7)	Myxobacteria	Myxococcales
AF354167	uncultured delta proteobacterium	(7)	Myxobacteria	Myxococcales
AJ233940	<i>Chondromyces pediculatus</i>	(7)	<i>Chondromyces pediculatus</i>	<i>Chondromyces pediculatus</i>
AF420369	uncultured proteobacterium	(7)	Geobacteriaceae	Desulfuromonadales
X79413	<i>Pelobacter carbinolicus</i> DSM 2380	(7)	<i>Pelobacter carbinolicus</i>	<i>Pelobacter carbinolicus</i>
L07834	<i>Geobacter metallireducens</i>	(7)	<i>Geobacter metallireducens</i>	<i>Geobacter metallireducens</i>
U96918	<i>Geobacter pelophilus</i>	(7)	<i>Geobacter pelophilus</i>	<i>Geobacter pelophilus</i>
AB015258	unidentified epsilon proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AB013261	uncultured epsilon proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420359	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420351	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AB015582	uncultured epsilon proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420346	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420358	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420347	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420360	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420343	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420345	uncultured proteobacterium	(7)	Epsilonproteobacteria Group I	Epsilon_I
U29081	<i>Rimicaris exoculata</i> ectosymbiont	(7)	Epsilonproteobacteria Group I	Epsilon_I
L35523	<i>Alvinella pompejana</i> epibiont	(7)	Epsilonproteobacteria Group I	Epsilon_I
L35520	<i>Alvinella pompejana</i> epibiont	(7)	Epsilonproteobacteria Group I	Epsilon_I
AF420348	uncultured proteobacterium	(7)	Epsilonproteobacteria	Epsilon_I
AF068805	uncultured bacterium VC2.1 Bac31	(7)	Epsilonproteobacteria	Epsilon_I
L14627	<i>Arcobacter nitrofigilis</i>	(7)	<i>Arcobacter nitrofigilis</i>	<i>Arcobacter nitrofigilis</i>
U15104	hydrothermal vent eubacterium PVB_OTU_3	(7)	Epsilonproteobacteria Group II	Helicobacteraceae_2
U41564	<i>Sulfospirillum barnesii</i> SES-3	(7)	<i>Sulfospirillum barnesii</i>	<i>Geospirillum barnesii</i>
Y11561	<i>Sulfospirillum arcachonense</i>	(7)	<i>Sulfospirillum arcachonense</i>	<i>Sulfospirillum arcachonense</i>
M92323	<i>Thiovulum</i> sp.	(7)	<i>Thiovulum</i> sp.	<i>Thiovulum</i> sp.

U04314	<i>Campylobacter fetus</i>	(7)	<i>Campylobacter fetus</i>	<i>Campylobacter fetus</i>
U01330	<i>Helicobacter pylori</i>	(7)	<i>Helicobacter pylori</i>	<i>Helicobacter pylori</i>
M26636	<i>Walinella succinogenes</i>	(7)	<i>Walinella succinogenes</i>	<i>Walinella succinogenes</i>
AF420342	uncultured proteobacterium	(7)	Epsilonproteobacteria	Epsilonproteobacteria
AF027081	candidate division OP9 clone OP846	(8)	OP9	OP9
AF027082	candidate division OP9 clone OP847	(8)	OP9	OP9
AF154106	uncultured hydrocarbon seep bacterium GCA025	(8)	JS1	JS1
AJ242494	<i>Maorella thermoactica</i>	(8)	<i>Maorella thermoactica</i>	<i>Maorella thermoactica</i>
U75647	<i>Acidimicrobium ferrooxidans</i> DSM 10331	(8)	<i>Acidimicrobium ferrooxidans</i>	<i>Acidimicrobium ferrooxidans</i>
D16296	<i>Hydrogenobaculum acidophilum</i>	(8)	<i>Hydrogenobaculum acidophilum</i>	<i>Hydrogenobaculum acidophilum</i>
AF027098	uncultured Aquificales bacterium OPB13	(8)	Aquificae	Aquificales
U96663	<i>Thermus aquaticus</i>	(8)	<i>Thermus aquaticus</i>	<i>Thermus aquaticus</i>
M21413	<i>Deinococcus radiodurans</i>	(8)	<i>Deinococcus radiodurans</i>	<i>Deinococcus radiodurans</i>
M58770	<i>Leeuwenhoekella marinoflava</i>	(8)	<i>Cytophaga marinoflava</i>	<i>Cytophaga marinoflava</i>
L11703	<i>Thermonema lapsum</i>	(8)	<i>Thermonema lapsum</i>	<i>Thermonema lapsum</i>
D30793	<i>Variovorax paradoxus</i>	(9)	<i>Variovorax paradoxus</i>	<i>Variovorax paradoxus</i>
AF050527	uncultured eubacterium WCHA1-62	(9)	Betaproteobacteria	Comanadaceae
L15532	<i>Azoarcus</i> sp.	(9)	<i>Azoarcus</i> sp.	Azoarcus
AF050526	uncultured eubacterium WCHA1-52	(9)	Betaproteobacteria	Azoarcus Group
AF050528	uncultured eubacterium WFeA1-06	(9)	Betaproteobacteria	Betaproteobacteria
AF050626	uncultured eubacterium WsCH66	(9)	Betaproteobacteria	Betaproteobacteria
AF050529	uncultured eubacterium WCHA1-76	(9)	Gammaproteobacteria	Legionella Group
AF050530	uncultured eubacterium WCHA1-85	(9)	Gammaproteobacteria	Legionella Group
MS9157	<i>Legionella pneumophila</i>	(9)	<i>Legionella pneumophila</i>	<i>Legionella pneumophila</i>
M95665	<i>Methylosinus sporium</i>	(9)	<i>Methylosinus sporium</i>	<i>Methylosinus sporium</i>
AF050531	uncultured eubacterium WCHB1-55	(9)	Alphaproteobacteria	Alphaproteobacteria
M11223	<i>Agrobacterium tumefaciens</i>	(9)	<i>Agrobacterium tumefaciens</i>	<i>Agrobacterium tumefaciens</i>
AF050532	uncultured eubacterium WCHA1-65	(9)	Alphaproteobacteria	Alphaproteobacteria
X72908	<i>Roseococcus thiosulatophilus</i>	(9)	<i>Roseococcus thiosulatophilus</i>	<i>Roseococcus thiosulatophilus</i>
AF050533	uncultured eubacterium WCHB1-87	(9)	Alphaproteobacteria	Alphaproteobacteria
X85132	<i>Syntrophus gentianae</i>	(9)	<i>Syntrophus gentianae</i>	<i>Syntrophus gentianae</i>
AF050534	uncultured eubacterium WCHB1-12	(9)	Deltaproteobacteria	Syntrophus Group
AF050535	uncultured eubacterium WCHA1-07	(9)	Deltaproteobacteria	Syntrophus Group
M26635	<i>Desulfomonile tiedjei</i>	(9)	Deltaproteobacteria	<i>Desulfomonile tiedjei</i>
AF050537	uncultured eubacterium WFeA1-10	(9)	Deltaproteobacteria	Desulfomonile Group
X70905	<i>Syntrophobacter wolnii</i>	(9)	<i>Syntrophobacter wolnii</i>	<i>Syntrophobacter wolnii</i>
AF050536	uncultured eubacterium WCHB1-67	(9)	Deltaproteobacteria	Desulfobulbaceae_1
AF050624	uncultured Syntrophorhabdaceae bacterium WsCH54	(9)	Deltaproteobacteria	Syntrophorhabdaceae
L14626	<i>Arcobacter butzleri</i>	(9)	<i>Arcobacter butzleri</i>	<i>Arcobacter butzleri</i>
AF050595	uncultured eubacterium WCHB1-06	(9)	WS6	WS6
AF050540	uncultured eubacterium WCHA1-14	(9)	Cytophagales	CFB
AF050541	uncultured eubacterium WCHA1-01	(9)	Cytophagales	CFB
AF050542	uncultured eubacterium WCHA2-47	(9)	Cytophagales	CFB
L16498	<i>Rikenella microfus</i>	(9)	<i>Rikenella microfus</i>	<i>Rikenella microfus</i>
AF050544	uncultured eubacterium WCHB1-29	(9)	Cytophagales	CFB
MS8779	<i>Sphingobacterium thalophilum</i>	(9)	<i>Sphingobacterium thalophilum</i>	<i>Sphingobacterium thalophilum</i>
M93153	<i>Bergeyella zoohelcum</i>	(9)	<i>Bergeyella zoohelcum</i>	<i>Bergeyella zoohelcum</i>
AF050625	uncultured eubacterium WsCH39	(9)	Cytophagales	CFB
AF027009	unidentified Cytophagales/green sulfur bacterium OPB56	(9)	GS	GS
AF050546	uncultured eubacterium WCHA1-94	(9)	GS	GS
AF050547	uncultured eubacterium WCHA1-56	(9)	WS3	Unaffiliated
AF050549	uncultured eubacterium WCHB1-40	(9)	Spirochetes	Spirochetes
AF050550	uncultured eubacterium WCHB1-91	(9)	Spirochetes	Spirochetes
AF050551	uncultured eubacterium WCHB1-30	(9)	Spirochetes	Spirochetes
M57737	<i>Treponema bryantii</i>	(9)	<i>Treponema bryantii</i>	<i>Treponema bryantii</i>
AF050555	uncultured eubacterium WFeA1-59	(9)	OP8	OP8
AF050552	uncultured eubacterium WCHA1-39	(9)	OP8	OP8
AF050556	uncultured eubacterium WCHA1-89	(9)	TG-1	TG1
AB004575	uncultured bacterium	(9)	TG-1	TG1
X77215	<i>Halophaga foetida</i> DSM 6591	(9)	<i>Halophaga foetida</i>	<i>Halophaga foetida</i>
AF050581	uncultured eubacterium WCHB1-49	(9)	Clostridium	Firmicutes
AF050628	uncultured eubacterium WsCH5	(9)	Clostridium	Firmicutes
AF050629	uncultured eubacterium WsCH8	(9)	Clostridium	Firmicutes
AF050582	uncultured eubacterium WCHB1-54	(9)	Clostridium	Firmicutes
AF050583	uncultured eubacterium WCHA1-45	(9)	Clostridium	Firmicutes
U09177	<i>Clostridium cellulosi</i>	(9)	<i>Clostridium cellulosi</i>	Firmicutes
U27710	Clostridium-like species	(9)	Clostridium	Firmicutes
AF050584	uncultured eubacterium WCHA1-53	(9)	Clostridium	Firmicutes
AF050627	uncultured eubacterium WsCH1	(9)	Clostridium	Firmicutes
AF050587	uncultured eubacterium WCHB1-20	(9)	Desulfotomaculum / Syntrophomonas	Firmicutes
AF050588	uncultured eubacterium WCHB1-89	(9)	Desulfotomaculum / Syntrophomonas	Firmicutes
X91170	<i>Pelotomaculum schinkii</i>	(9)	<i>Pelotomaculum schinkii</i>	<i>Pelotomaculum schinkii</i>
L15628	<i>Desulfotomaculum thermobenzoicum</i>	(9)	<i>Desulfotomaculum thermobenzoicum</i>	<i>Desulfotomaculum thermobenzoicum</i>
AF050589	uncultured eubacterium WCHA1-17	(9)	Desulfotomaculum / Syntrophomonas	Firmicutes
X77849	<i>Maorella thermoautotrophica</i>	(9)	<i>Maorella thermoautotrophica</i>	<i>Maorella thermoautotrophica</i>
U09169	<i>Thermoanaerobacterium saccharolyticum</i>	(9)	<i>Thermoanaerobacterium saccharolyticum</i>	<i>Thermoanaerobacterium saccharolyticum</i>
AF050585	uncultured eubacterium WCHA1-71	(9)	Desulfotomaculum / Syntrophomonas	Firmicutes
L28946	<i>Desulfitobacterium dehalogenans</i> ATCC 51507	(9)	<i>Desulfitobacterium dehalogenans</i>	<i>Desulfitobacterium dehalogenans</i>
AF050591	uncultured eubacterium WCHB1-84	(9)	Desulfotomaculum / Syntrophomonas	Firmicutes
X70316	<i>Exiguobacterium aurantiacum</i>	(9)	<i>Exiguobacterium aurantiacum</i>	<i>Exiguobacterium aurantiacum</i>
AF050592	uncultured eubacterium WFeA1-16	(9)	Bacillus	Bacillales
AF050565	uncultured eubacterium WCHB1-44	(9)	GNS	D1 Chloroflexi
AF050563	uncultured eubacterium WCHB1-80	(9)	GNS	D1 Chloroflexi
AF050567	uncultured eubacterium WCHA1-69	(9)	GNS	D1 Chloroflexi
AF050570	uncultured eubacterium WCHB1-57	(9)	GNS	D1 Chloroflexi
AF050594	uncultured eubacterium WCHB1-03	(9)	OP5	OP5
AF050593	uncultured eubacterium WCHB1-02	(9)	OP5	OP5
AF050577	uncultured eubacterium WCHA1-37	(9)	WS2	WS2
AF050573	uncultured eubacterium WCHB1-08	(9)	Actinobacteria	Actinomycetales
AF050574	uncultured eubacterium WCHB1-18	(9)	Actinobacteria	Actinomycetales
X77439	<i>Rathayibacter rathayi</i>	(9)	<i>Rathayibacter rathayi</i>	<i>Rathayibacter rathayi</i>
AF050576	uncultured eubacterium WFeA1-02	(9)	Actinobacteria	Actinobacteria
AF050575	uncultured eubacterium WCHA1-79	(9)	OP10	OP10
AF027092	candidate division OP10 clone OPB50	(9)	OP10	OP10
AF050579	uncultured eubacterium WCHA1-78	(9)	WS1	SJA43 WS1
AF050623	uncultured eubacterium WsCH31	(9)	WS4	Unaffiliated
AF229791	uncultured bacterium TA18	(10)	OP11	OP11
AY193188	uncultured Microgenomates bacterium	(10)	OP11	OP11
AY193191	uncultured Microgenomates bacterium	(10)	OP11	OP11
AY193204	uncultured Microgenomates bacterium	(10)	OP11	OP11
AY193205	uncultured Microgenomates bacterium	(10)	OP11	OP11
AY193285	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193287	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193286	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193296	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193128	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193129	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193199	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193295	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193134	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193167	uncultured Microgenomates bacterium	(10)	OP11	OP11_D3
AY193135	uncultured Microgenomates bacterium	(10)	OP11	OP11
AF125207	uncultured bacterium X112	(10)	SR1	SR1
AY193172	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AY193173	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AB015542	uncultured bacterium	(10)	SR1	SR1
AY193200	uncultured candidate division SR1 bacterium	(10)	SR1	SR1

AY193201	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AY193174	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AY193170	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AY193171	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AY193169	uncultured candidate division SR1 bacterium	(10)	SR1	SR1
AF050610	uncultured eubacterium WCHB1-58	(10)	OD1	OD1
AY193136	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193140	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193195	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AF316798	uncultured Crater Lake bacterium CL500-13	(10)	OD1	OD1
AF316799	uncultured Crater Lake bacterium CL500-94	(10)	OD1	OD1
AB015577	uncultured bacterium	(10)	OD1	OD1
AY193133	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193137	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193293	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193161	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193131	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193193	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193125	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193141	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193127	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193130	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193187	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193126	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193158	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193145	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193146	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193147	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193148	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193194	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193185	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193192	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193202	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193202	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY193175	uncultured Parcubacteria bacterium	(10)	OD1	OD1
AY133445	uncultured bacterium	(11)	Myxobacteria	Myxococcales
AJ535224	uncultured delta proteobacterium	(11)	Myxobacteria	Myxococcales
AJ233942	<i>Chondromyces robustus</i>	(11)	<i>Chondromyces robustus</i>	<i>Chondromyces robustus</i>
AJ233945	<i>Nannocystis aggregans</i>	(11)	<i>Nannocystis aggregans</i>	<i>Nannocystis aggregans</i>
AJ233944	<i>Kofteria flava</i>	(11)	<i>Kofteria flava</i>	<i>Kofteria flava</i>
AY094495	uncultured delta proteobacterium	(11)	Deltaproteobacteria	Deltaproteobacteria
AJ535229	uncultured delta proteobacterium	(11)	Deltaproteobacteria	Deltaproteobacteria
AJ535253	uncultured delta proteobacterium	(11)	Deltaproteobacteria	Deltaproteobacteria
M26633	<i>Desulfobacter postgatei</i>	(11)	<i>Desulfobacter postgatei</i>	<i>Desulfobacter postgatei</i>
X99637	<i>Desulfospira joergensenii</i>	(11)	<i>Desulfospira joergensenii</i>	<i>Desulfospira joergensenii</i>
AF243334	<i>Desulforegula conservatrix</i>	(11)	<i>Desulforegula conservatrix</i>	<i>Desulforegula conservatrix</i>
AF099063	<i>Desulfofaba gelida</i>	(11)	<i>Desulfofaba gelida</i>	<i>Desulfofaba gelida</i>
AF099065	<i>Desulfofrigus fragile</i>	(11)	<i>Desulfofrigus fragile</i>	<i>Desulfofrigus fragile</i>
AF148141	delta proteobacterium S2550	(11)	Deltaproteobacteria	Desulfobacteraceae
M34405	<i>Desulfococcus multivorans</i>	(11)	<i>Desulfococcus multivorans</i>	<i>Desulfococcus multivorans</i>
U45992	<i>Desulfonema ishimotoi</i>	(11)	<i>Desulfonema ishimotoi</i>	<i>Desulfonema ishimotoi</i>
U45989	<i>Desulfonema magnum</i> str. Montpellier	(11)	<i>Desulfonema magnum</i>	<i>Desulfonema magnum</i>
M34407	<i>Desulfosarcina variabilis</i>	(11)	<i>Desulfosarcina variabilis</i>	<i>Desulfosarcina variabilis</i>
AF286034	saltmarsh clone LCP-80	(11)	<i>Desulfosarcina</i> / <i>Desulfococcus</i> (DSS)	Desulfobacteraceae_1
AF420350	uncultured proteobacterium	(11)	<i>Desulfosarcina</i> / <i>Desulfococcus</i> (DSS)	Desulfobacterales
Y17698	<i>Desulfococcus oleovorans</i> Hxd3	(11)	<i>Desulfosarcina</i> / <i>Desulfococcus</i> (DSS)	Desulfobacteraceae
AJ240975	uncultured delta proteobacterium Sva0081	(11)	<i>Desulfosarcina</i> / <i>Desulfococcus</i> (DSS)	Desulfobacteraceae
AF121085	uncultured bacterium ODP8-U3	(11)	SEEP-SRB1	SEEP-SRB1a
AF354146	uncultured delta proteobacterium	(11)	SEEP-SRB1	SEEP-SRB1b
AF230531	<i>Desulfomonile limimaris</i>	(11)	<i>Desulfomonile limimaris</i>	<i>Desulfomonile limimaris</i>
AJ535245	uncultured delta proteobacterium	(11)	Deltaproteobacteria	Deltaproteobacteria
AJ305055	uncultured delta proteobacterium 43-4	(11)	Deltaproteobacteria	Deltaproteobacteria
AJ241001	uncultured delta proteobacterium Sva0485	(11)	Deltaproteobacteria	Deltaproteobacteria
AF354152	uncultured delta proteobacterium	(11)	SEEP-SRB2 / "Eel2 group"	SEEP-SRB2
AF354150	uncultured delta proteobacterium	(11)	SEEP-SRB2 / "Eel2 group"	SEEP-SRB2
AF354157	uncultured delta proteobacterium	(11)	SEEP-SRB2 / "Eel2 group"	SEEP-SRB2
AF354156	uncultured delta proteobacterium	(11)	SEEP-SRB2 / "Eel2 group"	SEEP-SRB2
AJ535250	uncultured delta proteobacterium	(11)	SEEP-SRB2 / "Eel2 group"	SEEP-SRB2
AY050586	uncultured bacterium	(11)	Desulfobulbaceae	Desulfobulbaceae
AJ535234	uncultured delta proteobacterium	(11)	Desulfobulbaceae	Desulfobulbaceae
AJ535252	uncultured delta proteobacterium	(11)	Desulfobulbaceae	Desulfobulbaceae
AF121084	uncultured bacterium ODP8-U1	(11)	Desulfobulbaceae	Desulfobulbaceae
X95180	<i>Desulfobulbus elongatus</i>	(11)	<i>Desulfobulbus elongatus</i>	<i>Desulfobulbus elongatus</i>
U12253	<i>Desulfobulbus rhabdoformis</i>	(11)	<i>Desulfobulbus rhabdoformis</i>	<i>Desulfobulbus rhabdoformis</i>
AJ241011	uncultured delta proteobacterium Sva0631	(11)	Desulfobulbaceae	Desulfobulbaceae
AF420334	uncultured proteobacterium	(11)	SEEP-SRB3	SEEP-SRB3
AJ535236	uncultured delta proteobacterium	(11)	SEEP-SRB3	SEEP-SRB3
AF354166	uncultured delta proteobacterium	(11)	SEEP-SRB3	SEEP-SRB3
AF420335	uncultured proteobacterium	(11)	SEEP-SRB3	SEEP-SRB3
AJ535243	uncultured delta proteobacterium	(11)	Desulfobulbaceae	Desulfobulbaceae_1
Y13672	<i>Desulfocapsa sulfexigens</i> DSM 10523	(11)	<i>Desulfocapsa sulfexigens</i>	<i>Desulfocapsa sulfexigens</i>
AF121082	uncultured bacterium ODP8-U4	(11)	D'capsa group	Desulfobulbaceae_1
AJ535238	uncultured delta proteobacterium	(11)	D'capsa group	Desulfobulbaceae_1
AJ535220	uncultured delta proteobacterium	(11)	D'capsa group	Desulfobulbaceae_1
AJ535227	uncultured delta proteobacterium	(11)	D'capsa group	Desulfobulbaceae_1
AF121089	uncultured bacterium ODP8-B4	(11)	D'capsa group	Desulfobulbaceae_1
X99707	<i>Desulfofustis glycolicus</i>	(11)	<i>Desulfofustis glycolicus</i>	<i>Desulfofustis glycolicus</i>
L42613	<i>Desulforhopalus vacuolatus</i>	(11)	<i>Desulforhopalus vacuolatus</i>	<i>Desulforhopalus vacuolatus</i>
AJ240990	uncultured delta proteobacterium Sva1036	(11)	D'rhopalus group	SEEP-SRB4
AJ535230	uncultured delta proteobacterium	(11)	SEEP-SRB4	SEEP-SRB4
AF354148	uncultured delta proteobacterium	(11)	SEEP-SRB4	SEEP-SRB4
AJ535242	uncultured delta proteobacterium	(11)	SEEP-SRB4	SEEP-SRB4
AJ535241	uncultured delta proteobacterium	(11)	SEEP-SRB4	SEEP-SRB4
AF420368	uncultured proteobacterium	(11)	SEEP-SRB4	SEEP-SRB4
F1712472	uncultured bacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
GU302484	uncultured bacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
AJ535248	uncultured delta proteobacterium	(12)	SEEP-SRB1e	SEEP-SRB1e
GU302496	uncultured bacterium	(12)	SEEP-SRB1b	SEEP-SRB1b
AY053490	uncultured bacterium	(12)	SEEP-SRB1b	SEEP-SRB1b
GU302442	uncultured bacterium	(12)	DSS	SEEP-SRB1c
AF354159	uncultured delta proteobacterium	(12)	DSS	Desulfobacteraceae_3
AY542569	uncultured delta proteobacterium	(12)	DSS	Desulfobacteraceae_3
AF354165	uncultured delta proteobacterium	(12)	DSS	Desulfobacteraceae_1
NR_044680	<i>Desulfosarcina variabilis</i> str. Montpellier	(12)	<i>Desulfosarcina variabilis</i>	<i>Desulfosarcina variabilis</i>
NR_025694	<i>Desulfatibacillum aliphaticivorans</i>	(12)	<i>Desulfatibacillum aliphaticivorans</i>	<i>Desulfatibacillum aliphaticivorans</i>
DQ067422	<i>Desulfosalsimonas propionica</i>	(12)	<i>Desulfosalsimonas propionica</i>	<i>Desulfosalsimonas propionica</i>
DQ057079	<i>Desulfobacter psychrotolerans</i>	(12)	<i>Desulfobacter psychrotolerans</i>	<i>Desulfobacter psychrotolerans</i>
FNS54123	uncultured sediment bacterium	(12)	Desulfobacteraceae	Desulfobacterales_1
FJ713478	uncultured bacterium	(12)	Unclassified	Desulfobacterales_2
GU302440	uncultured bacterium	(12)	Unclassified	Desulfobacterales_2
FNS54137	uncultured sediment bacterium	(12)	Unclassified	Desulfobacteraceae
EU622293	uncultured bacterium	(12)	Desulfobulbaceae	Desulfobulbaceae

FJ712599	uncultured bacterium	(12)	Desulfobulbaceae	Desulfobulbaceae
AJ535251	uncultured delta proteobacterium	(12)	SEEP-SRB3	SEEP-SRB3
AY531563	uncultured bacterium	(12)	SEEP-SRB3	SEEP-SRB3
AY592930	uncultured bacterium	(12)	SEEP-SRB3	SEEP-SRB3
AF420336	uncultured proteobacterium	(12)	SEEP-SRB3	Desulfobulbaceae
AF420366	uncultured proteobacterium	(12)	SEEP-SRB4	SEEP-SRB4
AJ535218	uncultured delta proteobacterium	(12)	SEEP-SRB4	SEEP-SRB4
AF118453	<i>Desulfarhopalus singaporensis</i>	(12)	<i>Desulfarhopalus singaporensis</i>	<i>Desulfarhopalus singaporensis</i>
AY592929	uncultured bacterium	(12)	Desulfobulbaceae	Desulfobulbaceae_1
AF420338	uncultured proteobacterium	(12)	SEEP-SRB2	SEEP-SRB2
AF420337	uncultured proteobacterium	(12)	SEEP-SRB2	SEEP-SRB2
AJ535233	uncultured delta proteobacterium	(12)	SEEP-SRB2	SEEP-SRB2
NR_043214	<i>Desulfuromusa ferrireducens</i>	(12)	<i>Desulfuromusa ferrireducens</i>	<i>Desulfuromusa ferrireducens</i>
FJ712531	uncultured bacterium	(12)	Unaffiliated	Myxococcales
JF344499	uncultured delta proteobacterium	(12)	Unaffiliated	Unaffiliated_D4
AY055373	<i>Acinetobacter</i> sp. 'anoxic'	(13)	<i>Acinetobacter</i> sp.	<i>Acinetobacter</i>
AY436526	uncultured proteobacterium	(13)	Gammaproteobacteria	<i>Acinetobacter</i>
AF511436	<i>Pseudomonas alcaligenes</i>	(13)	<i>Pseudomonas alcaligenes</i>	<i>Pseudomonas alcaligenes</i>
AY268175	<i>Pseudomonas aeruginosa</i>	(13)	<i>Pseudomonas aeruginosa</i>	<i>Pseudomonas aeruginosa</i>
AY043387	<i>Serratia marcescens</i>	(13)	<i>Serratia marcescens</i>	<i>Serratia marcescens</i>
AJ293468	<i>Stenotrophomonas maltophilia</i>	(13)	<i>Stenotrophomonas maltophilia</i>	<i>Stenotrophomonas maltophilia</i>
AB074256	<i>Delftia acidovorans</i>	(13)	<i>Delftia acidovorans</i>	<i>Delftia acidovorans</i>
AB015567	uncultured beta proteobacterium	(13)	Betaproteobacteria	Comanadaceae
AF353160	<i>Nitrosomonas europaea</i>	(13)	<i>Nitrosomonas europaea</i>	<i>Nitrosomonas europaea</i>
D49422	<i>Brevundimonas diminuta</i>	(13)	<i>Brevundimonas diminuta</i>	<i>Brevundimonas diminuta</i>
AB016847	<i>Caulobacter</i> sp. MBI1C1405	(13)	<i>Caulobacter</i> sp.	<i>Caulobacter</i>
AY191330	uncultured Hyphomicrobiaceae bacterium	(13)	Alphaproteobacteria	Hyphomicrobiaceae
AY093474	uncultured bacterium	(13)	NT-B2	NTB2
AY191339	uncultured Aminicenantes bacterium	(13)	OP8	OP8
AF027068	candidate division OP8 clone OPB23	(13)	OP8	OP8
AB094921	uncultured bacterium	(13)	JS1	JS1
AY093469	uncultured candidate division JS1 bacterium	(13)	JS1	JS1
AY436531	uncultured candidate division JS1 bacterium	(13)	JS1	JS1
AF029043	benzene mineralizing consortium clone SB-15	(13)	JS1	JS1
X67148	<i>Atopobium minutum</i>	(13)	<i>Atopobium minutum</i>	<i>Atopobium minutum</i>
AY436533	uncultured bacterium	(13)	Planctomycetes	WPS1
AY191354	uncultured planctomycete	(13)	Planctomycetes	WPS1
X81941	<i>Pirellula</i> sp.	(13)	<i>Pirellula</i> sp.	<i>Pirellula</i> sp.
AF354663	<i>Desulfobulbus mediterraneus</i>	(13)	<i>Desulfobulbus mediterraneus</i>	<i>Desulfobulbus mediterraneus</i>
AB094804	uncultured bacterium	(13)	Deltaproteobacteria	Desulfobacterales_2
AB094812	uncultured bacterium	(13)	NT-B4	D2_Chloroflexi
AB094801	uncultured bacterium	(13)	NT-B4	D2_Chloroflexi
AB094950	uncultured bacterium	(13)	NT-B3	D2_Chloroflexi
AY191351	uncultured Chloroflexi bacterium	(13)	NT-B3	D2_Chloroflexi
AY093479	uncultured bacterium	(13)	NT-B3	D2_Chloroflexi
AB094831	uncultured bacterium	(13)	NT-B3	D2_Chloroflexi
AB094799	uncultured bacterium	(13)	NT-B3	D2_Chloroflexi
AY187919	uncultured bacterium	(13)	Bacteroidetes	CFB
AF361187	<i>Flexibacter</i> sp. CF 1	(13)	<i>Flexibacter</i> sp.	<i>Flexibacter</i> sp.
M59051	<i>Flavobacterium johnsoniae</i>	(13)	<i>Flavobacterium johnsoniae</i>	<i>Flavobacterium johnsoniae</i>
M21774	<i>Thermotoga maritima</i>	(13)	<i>Thermotoga maritima</i>	<i>Thermotoga maritima</i>
M59176	<i>Fervidobacterium icelandicum</i>	(13)	<i>Fervidobacterium icelandicum</i>	<i>Fervidobacterium icelandicum</i>
L10659	<i>Geotoga subterranea</i>	(13)	<i>Geotoga subterranea</i>	<i>Geotoga subterranea</i>
AJ515724	uncultured Deferribacteres bacterium	(14)	Deferribacteres	Deferribacteres
FM863731	uncultured Deferribacteres bacterium	(14)	Deferribacteres	Deferribacteres
FM863732	uncultured Deferribacteres bacterium	(14)	Deferribacteres	Deferribacteres
FM863733	uncultured Deferribacteres bacterium	(14)	Deferribacteres	Deferribacteres
FM863730	uncultured Deferribacteres bacterium	(14)	Deferribacteres	Deferribacteres
AJ515720	uncultured Entomoplasmatales bacterium	(14)	Entomoplasmatales	Mollicutes
FN562893	uncultured bacterium	(14)	Mollicutes	Mollicutes
FM881775	uncultured Mollicutes bacterium	(14)	Mollicutes	Mollicutes
FM883736	uncultured Mollicutes bacterium	(14)	Mollicutes	Mollicutes
GU292201	uncultured bacterium	(14)	Mollicutes	Mollicutes
FM863737	uncultured Mollicutes bacterium	(14)	Mollicutes	Mollicutes
GQ386067	uncultured bacterium	(14)	Mollicutes	Mollicutes
EU662369	uncultured bacterium	(14)	CFB	CFB
AY678514	uncultured Bacteroidetes bacterium	(14)	Bacteroidetes	CFB
AB305587	uncultured bacterium	(14)	CFB	CFB
HQ672162	uncultured bacterium	(14)	CFB	CFB
FN662612	CFB group bacterium epibiont of <i>Rimicaris exoculata</i>	(14)	CFB	CFB
AJ441240	uncultured Bacteroidetes bacterium	(14)	CFB	CFB
AY352928	uncultured bacterium	(14)	CFB	CFB
FN662606	CFB group bacterium epibiont of <i>Rimicaris exoculata</i>	(14)	CFB	CFB
FN658702	Bacteroidetes bacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	symbiontBacteroidetesymbiont	CFB
AY542563	uncultured Bacteroidetes bacterium	(14)	Bacteroidetes	CFB
EU919789	uncultured bacterium	(14)	CFB	CFB
HQ203953	uncultured bacterium	(14)	CFB	CFB
FM165250	uncultured bacterium	(14)	CFB	CFB
FJ905651	uncultured bacterium	(14)	CFB	CFB
HQ673054	uncultured bacterium	(14)	CFB	CFB
AY280420	uncultured Bacteroidetes bacterium	(14)	CFB	CFB
AJ431238	<i>Cytophaga</i> sp. BHI80-3	(14)	<i>Cytophaga</i> sp.	Spirochaetes
FN562914	uncultured bacterium	(14)	CFB	CFB
FJ358900	uncultured Bacteroidetes bacterium	(14)	CFB	CFB
FM165269	uncultured bacterium	(14)	Verrucomicrobiae	Verruco_D5
EF208729	uncultured bacterium	(14)	Verrucomicrobiae	Verruco_D5
AB611176	uncultured Verrucomicrobia bacterium	(14)	Verrucomicrobiae	Verruco_D5
JN662163	uncultured bacterium	(14)	Verrucomicrobiae	Verruco_D5
HQ225122	uncultured bacterium	(14)	Verrucomicrobiae	Verruco_D1b
GQ452875	uncultured Verrucomicrobia bacterium	(14)	Verrucomicrobiae	Verruco_D1b
FM883738	uncultured Mollicutes bacterium	(14)	Firmicutes	Mollicutes
HQ264089	uncultured <i>Clostridium</i> sp.	(14)	<i>Clostridium</i>	Firmicutes
FJ957639	uncultured <i>Staphylococcus</i> sp.	(14)	<i>Staphylococcus</i> sp.	<i>Staphylococcus</i> sp.
FM883763	uncultured Firmicutes bacterium	(14)	Firmicutes	Mollicutes
AB298756	Clostridiaceae bacterium SH021	(14)	Clostridiaceae	Firmicutes
AM696843	uncultured bacterium	(14)	Actinobacteraceae	Actinomycetales
JN609310	uncultured bacterium	(14)	Actinobacteraceae	Actinomycetales
AJ969460	uncultured Thermodesulfobacteriaceae bacterium	(14)	Thermodesulfobacteriaceae	Thermodesulfobacteria
EU435435	<i>Thermodesulfator atlanticus</i>	(14)	<i>Thermodesulfator atlanticus</i>	<i>Thermodesulfator atlanticus</i>
AJ969464	uncultured Aquificales bacterium	(14)	Aquificales	Aquificales
AJ969466	uncultured Aquificales bacterium	(14)	Aquificales	Aquificales
AB496522	uncultured Chloroflexi bacterium	(14)	Chloroflexi	D1_Chloroflexi
EU265798	uncultured proteobacterium	(14)	Unaffiliated	PCGroup_D2
AB464836	uncultured bacterium	(14)	Unaffiliated	PCGroup_D4
DQ910026	uncultured bacterium	(14)	Unaffiliated	OD1
AJ441233	uncultured bacterium	(14)	Unaffiliated	OP8
FN562888	uncultured bacterium	(14)	Unaffiliated	OD1
HM798723	uncultured SAR406 cluster bacterium	(14)	SAR406	SAR406
AB305412	uncultured bacterium	(14)	Unaffiliated	OD1
AJ515712	uncultured epsilon proteobacteria	(14)	Epsilonproteobacteria	Helicobacteraceae_2
AY225626	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FJ535307	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
FJ497632	uncultured gamma proteobacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
FM203396	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Epsilon_I
AM4412509	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FM203406	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Epsilon_I
AB476174	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I

FN658696	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Epsilon_I
FN562857	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
EU925883	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
FN429840	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
EU488101	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
AM712341	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
AY531602	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
AM2295221	uncultured bacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_2
AY225610	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_2
GG357039	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
DQ228555	uncultured bacterium	(14)	Epsilonproteobacteria	PCGroup_D1
FN562833	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
HQ388458	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
FN562859	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
GU197438	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
FR853051	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilonproteobacteria
AY704396	uncultured bacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_1
FN562871	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FM203395	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Epsilon_I
AM268746	uncultured prokaryote	(14)	Epsilonproteobacteria	PCGroup_D1
FM40823	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
FM165251	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
AM412516	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
AM412513	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
AY69489	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_1
FN562855	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
AY225617	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
AF367490	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
FN562836	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FA97628	uncultured gamma proteobacterium	(14)	Epsilonproteobacteria	Gammmaproteobacteria
AF367488	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	PCGroup_D1
FI792210	uncultured bacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_1
FI792393	uncultured bacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_1
AM086106	uncultured bacterium	(14)	Epsilonproteobacteria	PCGroup_D1
EU555136	uncultured bacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
FN658698	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Campylobacteraceae_1
EU652648	uncultured bacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
AB440163	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
AY225614	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FN562858	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FN562867	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
EF644836	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
EF644833	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
AF357198	<i>Sulfospirillum</i> sp. Am-N	(14)	<i>Sulfospirillum</i> sp.	<i>Sulfospirillum</i> sp.
FI792340	uncultured bacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_1
FI792021	uncultured bacterium	(14)	Epsilonproteobacteria	PCGroup_D1
AY969452	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Nautiliales
FI535300	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
AY691430	<i>Caminibacter mediantlanticus</i> TB-2	(14)	<i>Caminibacter mediantlanticus</i>	<i>Caminibacter mediantlanticus</i>
FN562878	uncultured bacterium	(14)	Epsilonproteobacteria	PCGroup_D1
DQ909330	uncultured bacterium	(14)	Epsilonproteobacteria	PCGroup_D1
GU197436	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
AF068783	uncultured bacterium VC2.1 Bac1	(14)	Epsilonproteobacteria	Epsilon_I
EU662338	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
FM203385	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Epsilon_I
AF068796	uncultured bacterium VC2.1 Bac19	(14)	Epsilonproteobacteria	Nautiliales
AB193954	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilonproteobacteria
GU208477	uncultured prokaryote	(14)	Epsilonproteobacteria	Epsilon_I
AY548994	uncultured bacterium	(14)	Epsilonproteobacteria	Campylobacteraceae_1
AM745129	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FA97265	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
AB015531	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FA97357	uncultured bacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
FI205272	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
GQ261779	uncultured epsilon proteobacterium	(14)	Epsilonproteobacteria	Epsilon_I
FN658694	epsilon proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Epsilonproteobacteria	Epsilon_I
HM591450	uncultured bacterium	(14)	Epsilonproteobacteria	Epsilon_I
EU487967	uncultured bacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
GQ848422	uncultured bacterium	(14)	Epsilonproteobacteria	Helicobacteraceae_2
GQ848459	uncultured bacterium	(14)	Epsilonproteobacteria	Alphaproteobacteria
EF687160	uncultured bacterium	(14)	Epsilonproteobacteria	Unclassified
AB476195	uncultured bacterium	(14)	Epsilonproteobacteria	PCGroup_D1
FM203378	gamma proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Gammmaproteobacteria	Leucothrix_Group
FN393021	gamma proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Gammmaproteobacteria	Leucothrix_Group
FN393025	gamma proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Gammmaproteobacteria	Leucothrix_Group
HQ399822	uncultured rumen bacterium	(14)	Gammmaproteobacteria	Pseudomonadales_1
AB597540	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Gammmaproteobacteria
FI889641	<i>Photobacterium</i> sp. NF1-15	(14)	<i>Photobacterium</i> sp.	<i>Photobacterium</i> sp.
AY292951	<i>Photobacterium leiognathi</i>	(14)	<i>Photobacterium leiognathi</i>	<i>Photobacterium leiognathi</i>
AM902727	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Leucothrix_Group
AY704661	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Methylococcales
AM083965	methanotrophic endosymbiont of <i>Bathymodiolus puteoserpentis</i> (Logatchev)	(14)	Gammmaproteobacteria	Methylococcales
AF354608	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
AB176166	uncultured bacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
EF644812	uncultured bacterium	(14)	Gammmaproteobacteria	Gammmaproteobacteria
EF644791	uncultured bacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
EU617815	uncultured bacterium	(14)	Gammmaproteobacteria	Vibrionales
NR_024805	<i>Colwellia piezophila</i>	(14)	<i>Colwellia piezophila</i>	<i>Colwellia piezophila</i>
DQ837304	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Colwellia_Group
EU557341	<i>Serratia</i> sp. 136-2	(14)	<i>Serratia</i> sp.	<i>Serratia</i> sp.
EU491928	uncultured bacterium	(14)	Gammmaproteobacteria	Colwellia_Group
JO111316	uncultured bacterium	(14)	Gammmaproteobacteria	Acinetobacter
EU107481	uncultured <i>Leucothrix</i> sp.	(14)	<i>Leucothrix</i> sp.	<i>Leucothrix</i> sp.
HM110455	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Xanthomonadales
EU335291	uncultured bacterium	(14)	Gammmaproteobacteria	Unaffiliated
AY669171	<i>Marinobacter hydrocarbonoclasticus</i>	(14)	<i>Marinobacter aquaeolei</i>	<i>Marinobacter aquaeolei</i>
HQ191049	uncultured sediment bacterium	(14)	Gammmaproteobacteria	Gammmaproteobacteria
CU915011	uncultured bacterium	(14)	Gammmaproteobacteria	Pseudomonadales_1
EU804489	uncultured bacterium	(14)	Gammmaproteobacteria	Gammmaproteobacteria
FA97609	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
AB273731	<i>Shigella boydii</i>	(14)	<i>Shigella boydii</i>	<i>Shigella boydii</i>
FM203381	gamma proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Gammmaproteobacteria	Leucothrix_Group
EU466025	uncultured bacterium	(14)	Gammmaproteobacteria	Enterobacteriales
FI792231	uncultured bacterium	(14)	Gammmaproteobacteria	Sulfurivirga_Group
FI640811	uncultured bacterium	(14)	Gammmaproteobacteria	Gammmaproteobacteria
EU778504	uncultured bacterium	(14)	Gammmaproteobacteria	Enterobacteriales
AB476230	uncultured bacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
AB476182	uncultured bacterium	(14)	Gammmaproteobacteria	Leucothrix_Group
EF644790	uncultured bacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
AJ535221	uncultured gamma proteobacterium	(14)	Gammmaproteobacteria	Methylococcales
AB476225	uncultured bacterium	(14)	Gammmaproteobacteria	Piscirickettsiaceae
DQ395681	uncultured organism	(14)	Alphaproteobacteria	Alphaproteobacteria
GU584499	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacteriales
DQ270648	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacteriales
AB518773	alpha proteobacterium TI_chim_Sur55-1	(14)	Alphaproteobacteria	Alphaproteobacteria
FN562825	uncultured alpha proteobacterium	(14)	Alphaproteobacteria	Rhodobacteriales
HQ682047	uncultured bacterium	(14)	Alphaproteobacteria	Caulobacterales

DQ925896	uncultured bacterium	(14)	Alphaproteobacteria	Alphaproteobacteria
HQ153899	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacterales
FJ497541	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacterales
FN429823	uncultured alpha proteobacterium	(14)	Alphaproteobacteria	Alphaproteobacteria
HQ674273	uncultured bacterium	(14)	Alphaproteobacteria	Alphaproteobacteria
HQ674323	uncultured bacterium	(14)	Alphaproteobacteria	Alphaproteobacteria
HM798661	uncultured Rickettsiales bacterium	(14)	Rickettsiales	Rickettsiales
HQ433399	uncultured alpha proteobacterium	(14)	Alphaproteobacteria	Rhodobacterales
EU491911	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacterales
EF644806	uncultured bacterium	(14)	Alphaproteobacteria	Alphaproteobacteria
AB244979	uncultured alpha proteobacterium	(14)	Alphaproteobacteria	Rhodobacterales
HQ358399	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacterales
FJ205314	uncultured alpha proteobacterium	(14)	Alphaproteobacteria	Rhodobacterales
FJ712457	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacterales
FJ712530	uncultured bacterium	(14)	Alphaproteobacteria	Rhodobacterales
EU286977	uncultured bacterium	(14)	Alphaproteobacteria	Unclassified
FR683520	uncultured marine bacterium	(14)	Alphaproteobacteria	Gammaproteobacteria
DQ270646	uncultured bacterium	(14)	Alphaproteobacteria	Alphaproteobacteria
FJ557277	uncultured bacterium	(14)	Betaproteobacteria	Betaproteobacteria
HQ828049	uncultured bacterium	(14)	Betaproteobacteria	Ralstonia_Group
FJ593728	uncultured bacterium	(14)	Betaproteobacteria	Ralstonia_Group
HM557329	uncultured bacterium	(14)	Betaproteobacteria	Ralstonia_Group
HQ530524	uncultured <i>Ralstonia</i> sp.	(14)	Betaproteobacteria	Ralstonia_Group
FN658700	delta proteobacterium ectosymbiont of <i>Rimicaris exoculata</i>	(14)	Deltaproteobacteria	Desulfobulbaceae_1
AY771938	uncultured delta proteobacterium	(14)	Deltaproteobacteria	Desulfobacteraceae
AM268749	uncultured prokaryote	(14)	Deltaproteobacteria	Desulfobulbaceae_1
AM268767	uncultured prokaryote	(14)	Deltaproteobacteria	Desulfobulbaceae
AB264617	<i>Desulfothermus okinawensis</i> JCM 13304	(14)	<i>Desulfothermus okinawensis</i>	<i>Desulfothermus okinawensis</i>
EF644847	uncultured bacterium	(14)	Deltaproteobacteria	Desulfobivriales
AF449229	uncultured delta proteobacterium	(14)	Deltaproteobacteria	Desulfobulbaceae
GQ348094	uncultured delta proteobacterium	(14)	Deltaproteobacteria	Unaffiliated_D4
HM799049	uncultured SAR324 cluster bacterium	(14)	Deltaproteobacteria	SAR324
AF449228	uncultured delta proteobacterium	(14)	Deltaproteobacteria	Desulfobulbaceae
FM863751	uncultured gamma proteobacterium	(14)	Zetaproteobacteria	Zetaproteobacteria
FJ001796	uncultured bacterium	(14)	Zetaproteobacteria	Zetaproteobacteria
AB284833	uncultured bacterium	(14)	Zetaproteobacteria	Zetaproteobacteria
AB284830	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
AB284834	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
AB284831	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
DQ832637	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
EF493243	<i>Mariprofundus ferrooxydans</i> PV-1	(15)	<i>Mariprofundus ferrooxydans</i>	<i>Mariprofundus ferrooxydans</i>
EF493244	<i>Mariprofundus ferrooxydans</i>	(15)	<i>Mariprofundus ferrooxydans</i>	<i>Mariprofundus ferrooxydans</i>
AJ309526	Red Sea bacterium KT-ZK34	(15)	Zetaproteobacteria	Zetaproteobacteria
DQ832638	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
U15116	hydrothermal vent eubacterium PVB_OTU_4	(15)	Zetaproteobacteria	Zetaproteobacteria
AY197408	uncultured proteobacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
DQ832644	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
AB284832	uncultured bacterium	(15)	Zetaproteobacteria	Zetaproteobacteria
EU386090	uncultured bacterium	(16)	Deltaproteobacteria	SEEP-SRB1c
AF418173	<i>Desulfococcus multivorans</i>	(16)	<i>Desulfococcus multivorans</i>	<i>Desulfococcus multivorans</i>
AF328857	<i>Olavus algarvensis</i> sulfate-reducing endosymbiont	(16)	Deltaproteobacteria	Desulfobacteraceae
EU385910	uncultured bacterium	(16)	Deltaproteobacteria	Desulfobacterales
EU020016	<i>Desulfobacterium anilini</i>	(16)	<i>Desulfobacterium anilini</i>	<i>Desulfobacterium anilini</i>
EU386019	uncultured bacterium	(16)	Deltaproteobacteria	Desulfobacterales_2
AB177158	uncultured bacterium	(16)	Deltaproteobacteria	Desulfobacterales_2
X95181	<i>Desulfocapsa thiozymogenes</i> DSM 7269	(16)	<i>Desulfocapsa thiozymogenes</i>	<i>Desulfocapsa thiozymogenes</i>
X85131	<i>Syntrophus buswellii</i>	(16)	<i>Syntrophus buswellii</i>	<i>Syntrophus buswellii</i>
AF357914	<i>Desulfuromonas michiganensis</i>	(16)	<i>Desulfuromonas michiganensis</i>	<i>Desulfuromonas michiganensis</i>
AF030438	<i>Desulfomicrobium baculatum</i> DSM 4028	(16)	<i>Desulfomicrobium baculatum</i>	<i>Desulfomicrobium baculatum</i>
M34113	<i>Desulfovibrio desulfuricans</i> subsp. <i>desulfuricans</i> str. ATCC 27774	(16)	<i>Desulfovibrio desulfuricans</i>	<i>Desulfovibrio desulfuricans</i>
AY344381	uncultured bacterium	(16)	Gammaproteobacteria	Legionella_Group
AF150806	<i>Methylomonas methanica</i>	(16)	<i>Methylomonas methanica</i>	<i>Methylomonas methanica</i>
AJ309564	<i>Halomonas nitritophilus</i>	(16)	<i>Halomonas nitritophilus</i>	<i>Halomonas nitritophilus</i>
EF554889	<i>Ralstonia</i> sp. HI3	(16)	<i>Ralstonia</i> sp.	<i>Ralstonia</i>
EU050751	uncultured alpha proteobacterium	(16)	Alphaproteobacteria	Rhodobacterales
AM696693	<i>Rhodovulum marinum</i>	(16)	<i>Rhodovulum marinum</i>	<i>Rhodovulum marinum</i>
Y14308	<i>Hyphomicrobium denitrificans</i>	(16)	<i>Hyphomicrobium denitrificans</i>	<i>Hyphomicrobium denitrificans</i>
AF408954	<i>Hyphomicrobium</i> sp. Elin112	(16)	<i>Hyphomicrobium</i> sp.	Hyphomicrobium
Y14302	<i>Hyphomicrobium vulgare</i>	(16)	<i>Hyphomicrobium vulgare</i>	<i>Hyphomicrobium vulgare</i>
Y14313	<i>Filomicrobium fusiforme</i>	(16)	<i>Pedomicrobium fusiforme</i>	<i>Filomicrobium fusiforme</i>
AY345494	uncultured bacterium	(16)	Planctomycetales	Planctomycetales
EF421450	<i>Pirellula</i> sp. OJF12	(16)	<i>Pirellula</i> sp.	<i>Pirellula</i> sp.
X62911	<i>Planctomyces limnophilus</i> DSM 3776	(16)	<i>Planctomyces limnophilus</i>	<i>Planctomyces limnophilus</i>
EU245434	uncultured organism	(16)	WPS-1	Planctomycetes
AB300069	uncultured bacterium	(16)	WPS-1	WPS1
AJ966598	uncultured bacterium	(16)	WPS-1	WPS1
EU385958	uncultured bacterium	(16)	WPS-1	WPS1
AB177200	uncultured bacterium	(16)	WPS-1	WPS1
EU385694	uncultured bacterium	(16)	WPS-1	WPS1
AY093476	uncultured bacterium	(16)	WPS-1	WPS1
EU385823	uncultured bacterium	(16)	WPS-1	WPS1
EU385800	uncultured bacterium	(16)	Planctomycetes	Planctomycetes
AJ250882	anaerobic ammonium-oxidizing planctomycete KOLL2a	(16)	<i>Planctomyces anamox</i>	<i>C. Kueningenia</i>
JQ889505	<i>Candidatus Kueningenia stuttgartiensis</i>	(16)	<i>C. Kueningenia stuttgartiensis</i>	<i>C. Kueningenia stuttgartiensis</i>
DQ811911	uncultured Bacteroidetes bacterium	(16)	Bacteroidetes	CFB
AF029041	benzene mineralizing consortium clone SB-5	(16)	Bacteroidetes	CFB
L35516	<i>Acetivibrio cellulolyticus</i>	(16)	<i>Acetivibrio cellulolyticus</i>	<i>Acetivibrio cellulolyticus</i>
AJ133496	<i>Fusobacterium nucleatum</i> subsp. <i>nucleatum</i> ATCC 25586	(16)	<i>Fusobacterium nucleatum</i>	<i>Fusobacterium nucleatum</i>
AF050099	<i>Fusibacter paucivorans</i>	(16)	<i>Fusibacter paucivorans</i>	<i>Fusibacter paucivorans</i>
DQ296031	<i>Clostridium tagluense</i>	(16)	<i>Clostridium tagluense</i>	<i>Clostridium tagluense</i>
DQ248294	uncultured soil bacterium	(16)	Firmicutes	Firmicutes
X97099	uncultured bacterium	(16)	TM6	TM6
EU358703	uncultured bacterium	(16)	TM6	Firmicutes
AB015269	uncultured candidate division JS1 bacterium	(16)	JS1	JS1
AJ555219	uncultured candidate division JS1 bacterium	(16)	JS1	JS1
EU385673	uncultured bacterium	(16)	OP1	HAG_OP1
AM712329	uncultured candidate division OP1 bacterium	(16)	OP1	HAG_OP1
AY869683	uncultured bacterium	(16)	GNS	D1_Chloroflexi
EU385821	uncultured bacterium	(16)	GNS	D2_Chloroflexi
DQ811888	uncultured Chloroflexi bacterium	(16)	GNS	D2_Chloroflexi
EU385875	uncultured bacterium	(16)	GNS	D2_Chloroflexi
AY093480	uncultured bacterium	(16)	GNS	D2_Chloroflexi
EU385681	uncultured bacterium	(16)	GNS	D2_Chloroflexi
EU037997	uncultured bacterium	(16)	GNS	D2_Chloroflexi
Z76678	<i>Streptomyces coelicolor</i>	(16)	<i>Streptomyces coelicolor</i>	<i>Streptomyces coelicolor</i>
X87319	Streptosporangiaceae	(16)	Actinobacteria	Streptosporangiaceae
X92361	Geodermatophilus	(16)	Geodermatophilus sp.	<i>Geodermatophilus</i> sp.
AF409007	<i>Modestobacter</i> sp. Elin165	(16)	<i>Modestobacter</i> sp.	<i>Modestobacter</i> sp.
EF125463	uncultured bacterium	(16)	Acidobacteria	Acidobacteria
DQ351783	uncultured Acidobacteriales bacterium	(16)	Acidobacteria	Acidobacteria
EU386077	uncultured bacterium	(16)	OP8	OP8
EU385676	uncultured bacterium	(16)	OP8	OP8
EU385924	uncultured bacterium	(16)	OP8	OP8
DQ811947	uncultured Aminicenantes bacterium	(16)	OP8	OP8
DQ811949	uncultured Aminicenantes bacterium	(16)	OP8	OP8
AF027088	candidate division OP3 clone OPB2	(16)	OP3	Unclassified
EU385938	uncultured bacterium	(16)	OP3	OP3

X68464	Actinomycetales	(17)	Acidobacterium - D1	D1 Acidobacteria
Z73363	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
Z73365	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
Z73368	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
Z73364	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
U68659	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
D26171	<i>Acidobacterium capsulatum</i>	(17)	<i>Acidobacterium capsulatum</i>	<i>Acidobacterium capsulatum</i>
X97101	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
X97098	uncultured bacterium	(17)	Acidobacterium - D1	D1 Acidobacteria
AF047646	uncultured eubacterium TRB82	(17)	Acidobacterium - D1	D1 Acidobacteria
AF050548	uncultured eubacterium WCHA2-13	(17)	Acidobacterium - D1	D1 Acidobacteria
U68612	uncultured bacterium	(17)	Acidobacterium - D2	D2 Acidobacteria
Y07646	uncultured bacterium DA052	(17)	Acidobacterium - D2	D2 Acidobacteria
X97097	uncultured bacterium	(17)	<i>Acidobacterium</i>	Acidobacteria
X68466	Actinomycetales	(17)	Acidobacterium - D3	D3 Acidobacteria
X68468	Actinomycetales	(17)	Acidobacterium - D3	D3 Acidobacteria
U68648	uncultured bacterium	(17)	Acidobacterium - D3	D3 Acidobacteria
X68467	Actinomycetales	(17)	Acidobacterium - D3	D3 Acidobacteria
AF013515	uncultivated soil bacterium clone C002	(17)	Acidobacterium - D3	D3 Acidobacteria
AF027004	unidentified Acidobacterium group OPB3	(17)	Acidobacterium - D3	D3 Acidobacteria
AF013550	uncultivated soil bacterium clone S023	(17)	Acidobacterium - D4	D4 Acidobacteria
Z95722	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
Z95711	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
AF013554	uncultivated soil bacterium clone S027	(17)	Acidobacterium - D4	D4 Acidobacteria
Z95720	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
AF013530	uncultivated soil bacterium clone C105	(17)	Acidobacterium - D4	D4 Acidobacteria
Z95709	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
U68646	uncultured bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
AF013560	uncultivated soil bacterium clone S111	(17)	Acidobacterium - D4	D4 Acidobacteria
Z95708	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
U68644	uncultured bacterium	(17)	Acidobacterium - D4	D4 Acidobacteria
U68625	uncultured bacterium	(17)	Acidobacterium - D5	D5 Acidobacteria
Z95707	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D5	D5 Acidobacteria
Z95732	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
Y07586	uncultured bacterium DA023	(17)	Acidobacterium - D6	D6 Acidobacteria
AF013534	uncultivated soil bacterium clone C112	(17)	Acidobacterium - D6	D6 Acidobacteria
U68489	unidentified marine eubacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
AF013527	uncultivated soil bacterium clone C028	(17)	Acidobacterium - D6	D6 Acidobacteria
Z95717	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
Z95721	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
Z95719	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
Y12597	uncultured bacterium DA008	(17)	Acidobacterium - D6	D6 Acidobacteria
Z95716	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
AF013567	uncultivated soil bacterium clone S125	(17)	Acidobacterium - D6	D6 Acidobacteria
Z95733	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
AJ001424	uncultured bacterium	(17)	Acidobacterium - D6	D6 Acidobacteria
Z95713	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D7	Acidobacteria
Z95729	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D7	Acidobacteria
Z95718	uncultured Acidobacteria bacterium	(17)	Acidobacterium - D7	Acidobacteria
AF050562	uncultured eubacterium WCHB1-05	(17)	Chloroflexi - D1	D1 Chloroflexi
AF050564	uncultured eubacterium WCHB1-43	(17)	Chloroflexi - D1	D1 Chloroflexi
AF050566	uncultured eubacterium WCHB1-62	(17)	Chloroflexi - D1	D1 Chloroflexi
Z94009	uncultured bacterium	(17)	Chloroflexi - D1	D1 Chloroflexi
AF050569	uncultured eubacterium WCHB1-31	(17)	Chloroflexi - D1	D1 Chloroflexi
U62857	unidentified eubacterium RB41	(17)	Chloroflexi - D1	D1 Chloroflexi
AF050568	uncultured eubacterium WCHB1-63	(17)	Chloroflexi - D1	D1 Chloroflexi
AF027036	unidentified green non-sulfur bacterium OPB65	(17)	Chloroflexi - D1	D1 Chloroflexi
AF027043	unidentified green non-sulfur bacterium OPB9	(17)	Chloroflexi - D1	D1 Chloroflexi
AF050571	uncultured eubacterium WCHB1-50	(17)	Chloroflexi - D1	D1 Chloroflexi
AF027031	unidentified green non-sulfur bacterium OPB12	(17)	Chloroflexi - D1	D1 Chloroflexi
AF005749	uncultured eubacterium H1.43.f	(17)	Chloroflexi - D1	D1 Chloroflexi
AF005748	uncultured eubacterium H1.4.f	(17)	Chloroflexi - D2	D2 Chloroflexi
AF005750	uncultured eubacterium H3.93	(17)	Chloroflexi - D2	D2 Chloroflexi
AF005745	uncultured eubacterium t0.6.f	(17)	Chloroflexi - D2	D2 Chloroflexi
AF005746	uncultured eubacterium t0.8.f	(17)	Chloroflexi - D2	D2 Chloroflexi
U62842	unidentified eubacterium RB21	(17)	Chloroflexi	Chloroflexi
M34116	<i>Chloroflexus aurantiacus</i>	(17)	<i>Chloroflexus aurantiacus</i>	<i>Chloroflexus aurantiacus</i>
B32255	<i>Chloroflexus aggregans</i>	(17)	<i>Chloroflexus aggregans</i>	<i>Chloroflexus aggregans</i>
L04703	<i>Eubacterium</i> sp.	(17)	<i>Eubacterium</i> sp.	D3 Chloroflexi
L04675	<i>Heliothrix oregonensis</i>	(17)	<i>Heliothrix oregonensis</i>	<i>Heliothrix oregonensis</i>
M62774	<i>Eubacterium</i> sp.	(17)	<i>Eubacterium</i> sp.	D3 Chloroflexi
M34117	<i>Herpetosiphon aurantiacus</i>	(17)	<i>Herpetosiphon aurantiacus</i>	<i>Herpetosiphon aurantiacus</i>
X53210	<i>Sphaerobacter thermophilus</i> DSM 20745	(17)	<i>Sphaerobacter thermophilus</i>	<i>Sphaerobacter thermophilus</i>
M34115	<i>Thermomicrobium roseum</i>	(17)	<i>Thermomicrobium roseum</i>	<i>Thermomicrobium roseum</i>
U62827	unidentified eubacterium RB03	(17)	Chloroflexi	Chloroflexi
U68589	uncultured bacterium	(17)	Chloroflexi	Chloroflexi
U20797	unidentified eubacterium clone SAR202	(17)	Chloroflexi - D4	D4 Chloroflexi
U20798	unidentified eubacterium clone SAR307	(17)	Chloroflexi - D4	D4 Chloroflexi
AF005747	uncultured eubacterium H1.2.f	(17)	Chloroflexi - D4	D4 Chloroflexi
AF027026	candidate division OP11 clone OP5128	(17)	OP11 - D1	OP11_D1
AF047559	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047557	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047560	Microgenomates	(17)	OP11 - D1	OP11_D1
AF027030	candidate division OP11 clone OPB92	(17)	OP11 - D1	OP11_D1
AF047566	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047567	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047564	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047568	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047569	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047570	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047571	Microgenomates	(17)	OP11 - D1	OP11_D1
AF047572	Microgenomates	(17)	OP11 - D1	OP11_D1
AF050601	uncultured eubacterium WCHA1-20	(17)	OP11 - D2	OP11_D2
AF050602	uncultured eubacterium WCHA1-24	(17)	OP11 - D2	OP11_D2
AF050600	uncultured eubacterium WCHB1-07	(17)	OP11 - D2	OP11_D2
AF050606	uncultured eubacterium WCHB1-64	(17)	OP11	OP11
AF050607	uncultured eubacterium WCHA1-11	(17)	OP11	OP11
AF050603	uncultured eubacterium WCHB1-11	(17)	OP11 - D3	OP11_D3
AF050604	uncultured eubacterium WCHA1-09	(17)	OP11 - D3	OP11_D3
AF050605	uncultured eubacterium WCHB1-56	(17)	OP11 - D3	OP11_D3
U68664	uncultured bacterium	(17)	OP11 - D3	OP11_D3
AF047573	Microgenomates	(17)	OP11 - D3	OP11
AF050609	uncultured eubacterium WCHA2-26	(17)	OP11 - D4	SR1
AF047574	Microgenomates	(17)	OP11 - D5	OD1
AF047562	Microgenomates	(17)	OP11 - D5	OD1
AF027027	candidate division OP11 clone OP5136	(17)	OP11 - D5	OD1
AF050608	uncultured eubacterium WCHA1-16	(17)	OP11 - D5	OD1
AF050621	uncultured eubacterium WCHA2-01	(17)	OP11 - D5	OD1
Z94005	uncultured bacterium	(17)	Verrucomicrobia - D1	Verruco_D1a
X90515	<i>Verrucomicrobium spinosum</i>	(17)	<i>Verrucomicrobium spinosum</i>	<i>Verrucomicrobium spinosum</i>
U68652	uncultured bacterium	(17)	Verrucomicrobia - D2	Verruco_D2
X64381	uncultured bacterium	(17)	Verrucomicrobia - D2	Verruco_D2
X64374	uncultured bacterium	(17)	Verrucomicrobia - D2	Verruco_D2
X64382	uncultured bacterium	(17)	Verrucomicrobia - D2	Verruco_D2
U62853	unidentified eubacterium RB35	(17)	Verrucomicrobia - D2	Verruco_D2
AF013522	uncultivated soil bacterium clone C019	(17)	Verrucomicrobia - D2	Verruco_D2
X64380	uncultured bacterium	(17)	Verrucomicrobia - D2	Verruco_D2

AF050561	uncultured eubacterium WCHD3-88	(17)	Verrucomicrobia - D2	Verruco_D2
U68687	uncultured bacterium P71	(17)	Verrucomicrobia - D3	Verruco_D3
U62826	unidentified eubacterium RB02	(17)	Verrucomicrobia - D3	Verruco_D3
U62825	unidentified eubacterium RB01	(17)	Verrucomicrobia - D3	Verruco_D3
U62837	unidentified eubacterium RB14	(17)	Verrucomicrobia - D3	Verruco_D3
AF027005	unidentified Verrucomicrobium group OPB35	(17)	Verrucomicrobia - D3	Verruco_D3
X99390	<i>Opiritus</i> sp. VeGlc2	(17)	<i>Opiritus</i> sp.	<i>Opiritus</i> sp.
X97110	uncultured bacterium TM18	(17)	Verrucomicrobia - D4	Verruco_D4
AF050557	uncultured eubacterium WCHA1-33	(17)	Verrucomicrobia - D5	Verruco_D5
AF050558	uncultured eubacterium WCHA1-80	(17)	Verrucomicrobia - D5	Verruco_D5
AF050559	uncultured eubacterium WCHB1-25	(17)	Verrucomicrobia - D5	Verruco_D5
AF050560	uncultured eubacterium WCHB1-41	(17)	Verrucomicrobia - D5	Verruco_D5
M83548	<i>Aquifex pyrophilus</i>	(18)	<i>Aquifex pyrophilus</i>	<i>Aquifex pyrophilus</i>
AB094871	uncultured bacterium	(18)	NT-B3	D2_Chloroflexi
AB094808	uncultured bacterium	(18)	NT-B3	D2_Chloroflexi
AY093456	uncultured bacterium	(18)	NT-B3	D2_Chloroflexi
AF004928	<i>Dehalococcoides mccartyi</i>	(18)	<i>Dehalococcoides ethenogenes</i>	<i>Dehalococcoides ethenogenes</i>
AB094814	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094803	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094957	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094949	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AY093464	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094959	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094807	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094829	uncultured bacterium	(18)	NT-B4	D2_Chloroflexi
AB094802	uncultured bacterium	(18)	OP9	JS1
AB094816	uncultured bacterium	(18)	OP9	JS1
AF029050	benzene mineralizing consortium clone SB-45	(18)	OP9	JS1
AB094943	uncultured bacterium	(18)	OP9	JS1
AB094811	uncultured bacterium	(18)	OP9	JS1
AB069805	uncultured bacterium	(18)	OP9	JS1
AY093469	uncultured candidate division JS1 bacterium	(18)	OP9	JS1
AB094956	uncultured bacterium	(18)	OP9	JS1
AB094967	uncultured bacterium	(18)	OP9	JS1
AF154106	uncultured hydrocarbon seep bacterium GCA025	(18)	OP9	JS1
AB525440	uncultured bacterium	/	/	Unaffiliated_D2
JN534584	uncultured organism	/	/	Unaffiliated_D2
FN550086	uncultured bacterium	/	/	Unaffiliated_D2
F901574	uncultured delta proteobacterium	/	/	Deltaproteobacteria
AY547836	uncultured bacterium	/	/	Unaffiliated_D3
JD817389	uncultured bacterium	/	/	NTB2
AY093475	uncultured bacterium	/	/	NTB2
AJ290829	<i>Chlorobium vibrioforme f. thiosulfatophilum</i>	/	/	<i>Chlorobium vibrioforme</i>
AF170103	<i>Chloroherpeton thalassium</i> ATCC 35110	/	/	<i>Chloroherpeton thalassium</i>
JN591925	uncultured SAR406 cluster bacterium	/	/	SAR406
GQ337325	uncultured SAR406 cluster bacterium	/	/	SAR406
JN860378	uncultured zeta proteobacterium	/	/	Zetaproteobacteria
HQ206656	zeta proteobacterium enrichment culture clone JMM_Dock-D2b-C6	/	/	Zetaproteobacteria
JF344287	uncultured delta proteobacterium	/	/	Unaffiliated_D4
GU230395	uncultured delta proteobacterium	/	/	Unaffiliated_D4
EU373896	uncultured delta proteobacterium	/	/	Unaffiliated_D4
EU025028	<i>Deinococcus wulumuqiensis</i>	/	/	<i>Deinococcus wulumuqiensis</i>
FJ655840	<i>Deinococcus radiodurans</i>	/	/	<i>Deinococcus radiodurans</i>
HQ616358	<i>Fusobacterium</i> sp. ACB2	/	/	<i>Fusobacterium</i>
M58685	<i>Fusobacterium simiae</i>	/	/	<i>Fusobacterium simiae</i>
M58680	<i>Fusobacterium mortiferum</i>	/	/	<i>Fusobacterium mortiferum</i>
NR_Q25305	<i>Stenotrophomonas nitritireducens</i>	/	/	<i>Stenotrophomonas nitritireducens</i>
FR865038	<i>Nitrospina gracilis</i> 3/211	/	/	<i>Nitrospina gracilis</i>
L35504	<i>Nitrospina gracilis</i> Nb-211	/	/	<i>Nitrospina gracilis</i>
L35503	<i>Nitrospina gracilis</i>	/	/	<i>Nitrospina gracilis</i>
AM997762	uncultured deep-sea bacterium	/	/	Nitrospinaceae
AM997926	uncultured deep-sea bacterium	/	/	Nitrospinaceae
GQ246356	uncultured bacterium	/	/	Unaffiliated_D1
FM242272	uncultured delta proteobacterium	/	/	Unaffiliated_D1
EU266913	uncultured Armatimonadetes bacterium	/	/	OP10
EU266864	uncultured Armatimonadetes bacterium	/	/	OP10
JX221951	uncultured bacterium	/	/	OP10
FN550019	uncultured bacterium	/	/	Unaffiliated_D2
HQ588614	uncultured bacterium	/	/	Unaffiliated_D2
FM165274	uncultured bacterium	/	/	Unaffiliated_D2
FN553950	uncultured sediment bacterium	/	/	Unaffiliated_D2
HM041949	uncultured candidate division OP9 bacterium	/	/	OP9
AF027086	candidate division OP9 clone OPB72	/	/	OP9
HM041950	uncultured candidate division OP9 bacterium	/	/	OP9
CU918804	uncultured bacterium	/	/	OP9
DQ351811	uncultured actinobacterium	/	/	Gemmati_D4
FJ358901	uncultured actinobacterium	/	/	Gemmati_D4
NR_Q27529	<i>Gemmatimonas aurantiaca</i> T-27	/	/	<i>Gemmatimonas aurantiaca</i>
AB694246	uncultured bacterium	/	/	Gemmati_D3
AJ969468	uncultured candidate division TM7 bacterium	/	/	PCGroup_D1
FJ792273	uncultured bacterium	/	/	PCGroup_D1
JX294352	GN02 bacterium oral taxon 871	/	/	PCGroup_D1
JN713493	GN02 bacterium canine oral taxon 323	/	/	PCGroup_D1
AM268242	uncultured KB1 group bacterium	/	/	KB1
HQ658734	uncultured KB1 group bacterium	/	/	KB1
AB722130	uncultured bacterium	/	/	HAG_OP1
FJ535351	uncultured bacterium	/	/	HAG_OP1
NR_Q41318	<i>Thermodesulfobivria yellowstonii</i>	/	/	<i>Thermodesulfobivria yellowstonii</i>
AF402981	uncultured <i>Nitrospira</i> sp.	/	/	<i>Nitrospira</i>
NR_Q41317	<i>Thermodesulfobivria thiophilus</i>	/	/	<i>Thermodesulfobivria thiophilus</i>
JD346739	<i>Thermomicrobium roseum</i>	/	/	<i>Thermomicrobium roseum</i>
NR_Q42118	<i>Sphaerobacter thermophilus</i>	/	/	<i>Sphaerobacter thermophilus</i>
LU9660	<i>Thermus thermophilus</i>	/	/	<i>Thermus flavus</i>
NR_Q26416	<i>Deinococcus murrayi</i>	/	/	<i>Deinococcus murrayi</i>
NR_Q26400	<i>Deinococcus proteolyticus</i> MRP	/	/	<i>Deinococcus proteolyticus</i>
NR_Q28811	<i>Thermodesulfobacterium thermophilum</i>	/	/	<i>Thermodesulfobacterium thermophilum</i>
NR_Q41847	<i>Thermodesulfobacterium commune</i> DSM 2178	/	/	<i>Thermodesulfobacterium commune</i>
DQ369742	uncultured bacterium	(19)	NC10 - a	NC10_a
EU808626	uncultured bacterium	(19)	NC10 - a	NC10_a
DQ837259	uncultured Firmicutes bacterium	(19)	NC10 - a	NC10_a
DQ837241	uncultured Firmicutes bacterium	(19)	NC10 - a	NC10_a
DQ837250	uncultured Firmicutes bacterium	(19)	NC10 - a	NC10_a
AF351217	uncultured bacterium	(19)	NC10 - a	NC10_a
AF351214	uncultured bacterium	(19)	NC10 - a	NC10_a
AB116934	uncultured bacterium	(19)	NC10 - a	NC10_a
AB198831	uncultured bacterium	(19)	NC10 - a	NC10_a
DQ664101	uncultured bacterium	(19)	NC10 - a	NC10_a
AF529103	uncultured Gram-positive bacterium	(19)	NC10 - a	NC10_a
EU335185	uncultured bacterium	(19)	NC10 - b	NC10_b
EU335192	uncultured bacterium	(19)	NC10 - b	NC10_b
AY375087	uncultured bacterium	(19)	NC10 - b	Unaffiliated_D4
AB286307	uncultured Acidobacteria bacterium	(19)	NC10 - b	NC10_b
EF667810	uncultured bacterium	(19)	NC10 - b	NC10_b
AJ519650	uncultured bacterium	(19)	NC10 - b	NC10_b
AJ519670	uncultured bacterium	(19)	NC10 - b	NC10_b
EU335172	uncultured bacterium	(19)	NC10 - b	NC10_b
EF492972	uncultured bacterium	(19)	NC10 - b	NC10_b

EF66757	uncultured bacterium	(19)	NC10 - b	NC10_b
AB426199	uncultured bacterium	(19)	NC10 - b	NC10_b
AB426228	uncultured bacterium	(19)	NC10 - b	NC10_b
AB426238	uncultured bacterium	(19)	NC10 - b	NC10_b
EF392983	uncultured bacterium	(19)	NC10 - b	NC10_b
DQ1165096	uncultured bacterium	(19)	NC10 - b	NC10_b
DQ906843	uncultured bacterium	(19)	NC10 - c	NC10_c
DQ906846	uncultured bacterium	(19)	NC10 - c	NC10_c
DQ906859	uncultured bacterium	(19)	NC10 - c	NC10_c
DQ906870	uncultured bacterium	(19)	NC10 - c	NC10_c
AB179508	uncultured bacterium	(19)	NC10 - c	NC10_c
AB179505	uncultured bacterium	(19)	NC10	NC_10
AY225657	uncultured low G+C Gram-positive bacterium	(19)	NC10 - d	NC10_d
EF491532	uncultured bacterium	(19)	NC10 - d	NC10_d
EU048615	uncultured bacterium	(19)	NC10 - d	NC10_d
EU373968	uncultured bacterium	(19)	NC10 - d	NC10_d
EU491416	uncultured bacterium	(19)	NC10 - d	NC10_d
AY186072	uncultured bacterium	(19)	NC10 - d	NC10_d
AF317743	unidentified bacterium wb1_A12	(19)	NC10 - d	NC10_d
AF317784	unidentified bacterium wb1_D02	(19)	NC10 - d	NC10_d
AM991185	uncultured bacterium	(19)	NC10 - d	NC10_d
EU491462	uncultured bacterium	(19)	NC10 - d	NC10_d
AJ519669	uncultured bacterium	(19)	NC10 - d	NC10_d
AY177763	uncultured Gram-positive bacterium	(19)	NC10 - d	NC10_d
EU335141	uncultured bacterium	(19)	NC10 - d	NC10_d
EU335143	uncultured bacterium	(19)	NC10 - d	NC10_d
AF529101	uncultured Gram-positive bacterium	(19)	NC10 - d	NC10_d
U60015	<i>Prostheco bacter fusiformis</i>	(20)	<i>Prostheco bacter fusiformis</i>	<i>Prostheco bacter fusiformis</i>
U60012	<i>Prostheco bacter dejongei</i>	(20)	<i>Prostheco bacter dejongei</i>	<i>Prostheco bacter dejongei</i>
U60014	<i>Prostheco bacter debontii</i>	(20)	<i>Prostheco bacter debontii</i>	<i>Prostheco bacter debontii</i>
U60013	<i>Prostheco bacter vanneervenii</i>	(20)	<i>Prostheco bacter vanneervenii</i>	<i>Prostheco bacter vanneervenii</i>
AJ401130	uncultured verrucomicrobium DEV179	(20)	Verrucomicrobia - D1	Verruco_D1a
AJ401106	uncultured verrucomicrobium DEV006	(20)	Verrucomicrobia - D1	Verruco_D1a
AJ401104	uncultured verrucomicrobium DEV003	(20)	Verrucomicrobia - D1	Verruco_D1a
AF234742	uncultured sludge bacterium A21	(20)	Verrucomicrobia - D1	Verruco_D1a
AF234714	uncultured sludge bacterium A38	(20)	Verrucomicrobia - D1	Verruco_D1a
AJ401116	uncultured verrucomicrobium DEV035	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ401108	uncultured verrucomicrobium DEV009	(20)	Verrucomicrobia - D1	Verruco_D1b
AY028220	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ401117	uncultured verrucomicrobium DEV019	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ401133	uncultured verrucomicrobium DEV021	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ401107	uncultured verrucomicrobium DEV007	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ401105	uncultured verrucomicrobium DEV005	(20)	Verrucomicrobia - D1	Verruco_D1b
AF316731	uncultured Crater Lake bacterium CL500-85	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ441222	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D1	Verruco_D1b
AF513965	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ441243	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D1	Verruco_D1b
AJ401123	uncultured verrucomicrobium DEV031	(20)	Verrucomicrobia - D1	Verruco_D1b
U51864	unidentified eubacterium EA25	(20)	Verrucomicrobia - D2	Verruco_D2
Y07576	uncultured bacterium DA101	(20)	Verrucomicrobia - D2	Verruco_D2
AJ244308	uncultured bacterium Ri26E	(20)	Verrucomicrobia - D2	Verruco_D2
AJ244309	uncultured bacterium Ri26E2	(20)	Verrucomicrobia - D2	Verruco_D2
AJ289992	uncultured bacterium FukuN18	(20)	Verrucomicrobia - D2	Verruco_D2
AJ289983	uncultured bacterium FukuN106	(20)	Verrucomicrobia - D2	Verruco_D2
AF009975	unidentified eubacterium LD29	(20)	Verrucomicrobia - D2	Verruco_D2
AF217461	Candidatus <i>Xiphinematobacter rivesi</i>	(20)	<i>C. Xiphinematobacter rivesi</i>	<i>C. Xiphinematobacter rivesi</i>
AF217460	Candidatus <i>Xiphinematobacter americani</i>	(20)	<i>C. Xiphinematobacter americani</i>	<i>C. Xiphinematobacter americani</i>
AF217462	Candidatus <i>Xiphinematobacter brevicollis</i>	(20)	<i>C. Xiphinematobacter brevicollis</i>	<i>C. Xiphinematobacter brevicollis</i>
AF009974	unidentified eubacterium LD19	(20)	Verrucomicrobia	Verruco_D3
AF465651	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D3	Verruco_D3
AF445718	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D3	Verruco_D3
AF234711	uncultured sludge bacterium H2	(20)	Verrucomicrobia - D3	Verruco_D3
AJ401132	uncultured verrucomicrobium DEV114	(20)	Verrucomicrobia - D3	Verruco_D3
AF351215	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D3	Verruco_D3
AJ401128	uncultured verrucomicrobium DEV020	(20)	Verrucomicrobia - D3	Verruco_D3
AF316730	uncultured Crater Lake bacterium CL120-133	(20)	Verrucomicrobia - D3	Verruco_D3
AJ401131	uncultured verrucomicrobium DEV064	(20)	Verrucomicrobia - D3	Verruco_D3
AJ401114	uncultured verrucomicrobium DEV059	(20)	Verrucomicrobia - D3	Verruco_D3
AJ401115	uncultured verrucomicrobium DEV008	(20)	Verrucomicrobia - D3	Verruco_D3
AY028219	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D3	Verruco_D3
AJ229246	<i>Opitutus terrae</i>	(20)	<i>Opitutus terrae</i>	<i>Opitutus terrae</i>
AJ229239	<i>Opitutus terrae</i>	(20)	<i>Opitutus terrae</i>	<i>Opitutus terrae</i>
AJ229235	<i>Opitutus terrae</i> PB90-1	(20)	<i>Opitutus terrae</i>	<i>Opitutus terrae</i>
X99391	<i>Opitutus</i> sp. VeCb1	(20)	<i>Opitutus</i> sp.	<i>Opitutus</i> sp.
X99390	<i>Opitutus</i> sp. VeGlc2	(20)	<i>Opitutus</i> sp.	<i>Opitutus</i> sp.
X99392	<i>Opitutus</i> sp. VeSm13	(20)	<i>Opitutus</i> sp.	<i>Opitutus</i> sp.
AF234133	uncultured bacterium #0319-6L10	(20)	Verrucomicrobia - D4	Verruco_D4
AJ289985	uncultured bacterium FukuN111	(20)	Verrucomicrobia - D4	Verruco_D4
AB073978	<i>Fucophilus fucoidanalyticus</i>	(20)	<i>Fucophilus fucoidanalyticus</i>	<i>Fucophilus fucoidanalyticus</i>
Y19169	Epixenosomes of <i>Euplatidium arenarium</i>	(20)	Verrucomicrobia - D4	Verruco_D4
U81738	uncultured bacterium	(20)	Verrucomicrobia - D4	Verruco_D4
AB015546	uncultured bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114334	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114330	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114328	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114329	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AJ241008	uncultured Planctomyces Sva0500	(20)	Verrucomicrobia - D5	Verruco_D5
AY114333	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114336	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY082462	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AF001775	unidentified rumen bacterium RFP12	(20)	Verrucomicrobia - D5	Verruco_D5
AF507896	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AJ390455	uncultured soil bacterium PBS-III-26	(20)	Verrucomicrobia - D5	Verruco_D5
AY114320	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AF507898	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AF454310	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AF454309	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114314	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AJ390453	uncultured soil bacterium PBS-III-20	(20)	Verrucomicrobia - D5	Verruco_D5
AY114323	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114322	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114317	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114312	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AY114335	uncultured Verrucomicrobia bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AJ401121	uncultured verrucomicrobium DEV055	(20)	Verrucomicrobia - D5	Verruco_D5
AJ401113	uncultured verrucomicrobium DEV045	(20)	Verrucomicrobia - D5	Verruco_D5
AF419674	uncultured bacterium	(20)	Verrucomicrobia - D5	Verruco_D5
AJ252607	agricultural soil bacterium SC-I-2	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF524020	uncultured bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF545649	uncultured Gemmatimonadetes bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF507599	uncultured soil bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF234140	uncultured bacterium #0319-7F1	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF009987	uncultured bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF507703	uncultured soil bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF491670	uncultured bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF255632	uncultured bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF268993	uncultured bacterium SBRH63	(20)	Gemmatimonadetes - D1	Gemmati_D1

AF432607	uncultured bacterium	(20)	Gemmatimonadetes - D1	Gemmati_D1
AF234125	uncultured bacterium #0319-6A19	(20)	Gemmatimonadetes - D1	Gemmati_D1
AJ519400	uncultured actinobacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ519397	uncultured actinobacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AY102345	uncultured bacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AY102340	uncultured bacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ252692	rhizosphere soil bacterium RSC-II-71	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ519401	uncultured actinobacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ519396	uncultured actinobacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AF234139	uncultured bacterium #0319-7E19	(20)	Gemmatimonadetes - D2	Gemmati_D2
AF234148	uncultured bacterium #0319-7G21	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ519398	uncultured actinobacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ519396	uncultured actinobacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AB087362	uncultured bacterium	(20)	Gemmatimonadetes - D2	Gemmati_D2
AJ347028	uncultured bacterium	(20)	Gemmatimonadetes - D3	Gemmati_D3
AB015578	uncultured bacterium	(20)	Gemmatimonadetes - D3	Gemmati_D3
AF424420	uncultured actinobacterium	(20)	Gemmatimonadetes - D3	Gemmati_D3
AF424432	uncultured actinobacterium	(20)	Gemmatimonadetes - D3	Gemmati_D3
AB015540	uncultured bacterium	(20)	Gemmatimonadetes - D3	Gemmati_D3
AF328204	uncultured bacterium	(20)	Gemmatimonadetes - D3	Gemmati_D3
AF009988	uncultured bacterium	(20)	Gemmatimonadetes	Gemmatimonadetes
AY053483	uncultured bacterium	(20)	Gemmatimonadetes	Gemmatimonadetes
AF507712	uncultured soil bacterium	(20)	Gemmatimonadetes	Gemmatimonadetes
AF328213	uncultured bacterium	(20)	Gemmatimonadetes	Gemmatimonadetes
AF186416	uncultured sponge symbiont PAUC51f	(20)	Gemmatimonadetes - D4	Gemmati_D4
AF186415	uncultured sponge symbiont PAUC43f	(20)	Gemmatimonadetes - D4	Gemmati_D4
AF286033	saltmarsh clone LCP-68	(20)	Gemmatimonadetes - D4	Gemmati_D4
AF424428	uncultured actinobacterium	(20)	Gemmatimonadetes - D4	Gemmati_D4
AF424431	uncultured actinobacterium	(20)	Gemmatimonadetes - D4	Gemmati_D4
AF317745	unidentified bacterium wb1_A18	(20)	Gemmatimonadetes - D4	Gemmatimonadetes
NR_029309	<i>Geovibrio ferrireducens</i>	/	/	<i>Geovibrio ferrireducens</i>
NR_028005	<i>Geovibrio thiophilus</i>	/	/	<i>Geovibrio thiophilus</i>
NR_044488	<i>Deferribacter autotrophicus</i>	/	/	<i>Deferribacter autotrophicus</i>
NR_028995	<i>Deferribacter abyssi</i>	/	/	<i>Deferribacter abyssi</i>
NR_028640	<i>Deferribacter desulfuricans</i> SSM1	/	/	<i>Deferribacter desulfuricans</i>
NR_027535	<i>Dentrovibrio acetiphilus</i> DSM 12809	/	/	<i>Dentrovibrio acetiphilus</i>
NR_041643	<i>Calditerrivibrio nitroreducens</i>	/	/	<i>Calditerrivibrio nitroreducens</i>
NR_042077	<i>Alkanibacter difficilis</i>	/	/	<i>Alkanibacter difficilis</i>
NR_042968	<i>Aquimonas voraii</i>	/	/	<i>Aquimonas voraii</i>
NR_042972	<i>Pseudoxanthomonas koreensis</i>	/	/	<i>Pseudoxanthomonas koreensis</i>
NR_042023	<i>Bacteriovorax stolpii</i>	/	/	<i>Bacteriovorax stolpii</i>
NR_028723	<i>Bacteriovorax marinus</i> SJ	/	/	<i>Bacteriovorax marinus</i>
NR_028724	<i>Bacteriovorax litoralis</i>	/	/	<i>Bacteriovorax litoralis</i>
NR_027553	<i>Bdellovibrio bacteriovorus</i> HD100	/	/	<i>Bdellovibrio bacteriovorus</i>
NR_028969	<i>Caldithrix abyssi</i>	/	/	<i>Caldithrix abyssi</i>
FJ990729	<i>Caldithrix palaeochoaryensis</i>	/	/	<i>Caldithrix palaeochoaryensis</i>
FJ902365	uncultured <i>Caldithrix</i> sp.	/	/	<i>Caldithrix</i>
NR_041385	<i>Sulfurivirga caldicurallii</i>	/	/	<i>Sulfurivirga caldicurallii</i>
AB468957	<i>Thiopropfundum lithotrophicum</i>	/	/	<i>Thiopropfundum lithotrophicum</i>
AB266389	<i>Thiopropfundum hispidum</i>	/	/	<i>Thiopropfundum hispidum</i>
JF421220	uncultured <i>Magnetococcus</i> sp.	/	/	<i>Magnetococcus</i>
JN188492	uncultured <i>Magnetococcus</i> sp.	/	/	<i>Magnetococcus</i>
EF371495	uncultured <i>Magnetococcus</i> sp.	/	/	<i>Magnetococcus</i>
HM799049	uncultured SAR324 cluster bacterium	/	/	SAR324
JN591923	uncultured SAR324 cluster bacterium	/	/	SAR324
DQ810614	uncultured SAR324 cluster bacterium	/	/	SAR324
HM103629	uncultured SAR324 cluster bacterium	/	/	SAR324
DQ413113	uncultured bacterium	/	/	TM6
GU179759	uncultured candidate division TM6 bacterium	/	/	TM6
AM936568	uncultured candidate division TM6 bacterium	/	/	TM6
EU038002	uncultured candidate division TM6 bacterium	/	/	TM6
NR_041306	<i>Syntrophorhabdus aromaticivorans</i> U1	/	/	<i>Syntrophorhabdus aromaticivorans</i>
AJ009498	uncultured Syntrophorhabdaceae bacterium SJA-162	/	/	Syntrophorhabdaceae
JQ580300	uncultured candidate division BRC1 bacterium	/	/	BRC1
FJ484668	uncultured candidate division BRC1 bacterium	/	/	BRC1
JQ919770	uncultured candidate division BRC1 bacterium	/	/	BRC1
NR_043709	<i>Geokallibacter ferrihydriticus</i>	/	/	<i>Desulfuromonas alkaliphilus</i>
EF527232	<i>Geobacter</i> sp. M21	/	/	<i>Geobacter</i> sp.
AY835391	<i>Desulfuromonas svalbardensis</i>	/	/	<i>Desulfuromonas svalbardensis</i>
DQ317601	Candidatus <i>Anammoxaglobus propionicus</i>	/	/	C. <i>Anammoxaglobus propionicus</i>
FN550086	uncultured bacterium	/	/	Unaffiliated_D2
NR_043542	<i>Thermolithobacter carboxydivorans</i>	/	/	<i>Thermolithobacter carboxydivorans</i>
AF282252	<i>Thermolithobacter ferrireducens</i>	/	/	<i>Ferribacter thermoautotrophicus</i>
AJ271656	<i>Pelobacter</i> sp. A3b3	/	/	<i>Pelobacter</i> sp.
JN537177	uncultured organism	/	/	Unaffiliated_D2
JQ580102	uncultured Gemmatimonadetes bacterium	/	/	Gemmati_D4
JQ580436	uncultured Gemmatimonadetes bacterium	/	/	Gemmati_D4
JQ836680	<i>Micromonospora</i> sp. 2701GPT1-10	/	/	<i>Micromonospora</i> sp.
FJ481616	<i>Micromonospora echinaurantiaca</i>	/	/	<i>Micromonospora echinaurantiaca</i>
NR_041338	<i>Luedemannella helvata</i>	/	/	<i>Luedemannella helvata</i>
FJ806642	<i>Verrucosipora</i> sp. M1233	/	/	<i>Verrucosipora</i> sp.
NR_041256	<i>Micromonospora narathiwatensis</i>	/	/	<i>Micromonospora narathiwatensis</i>
NR_024672	<i>Thermaerobacter marianensis</i> DSM 12885	/	/	<i>Thermaerobacter marianensis</i>
EF545603	<i>Mastigocladus</i> sp. CR_11M	/	/	<i>Mastigocladus</i> sp.
AY224199	<i>Synechococcus</i> sp. MH301	/	/	<i>Synechococcus</i> sp.
JQ712638	<i>Microcoleus vaginatus</i> S13	/	/	<i>Microcoleus vaginatus</i>
AB115965	<i>Crinium magnum</i> SAG 34.87	/	/	<i>Crinium magnum</i>
AM230705	<i>Gloeotrichia echinulata</i> URA3	/	/	<i>Gloeotrichia echinulata</i>
AF489534	<i>Caloramator uzoniensis</i>	/	/	<i>Caloramator uzoniensis</i>
JQ670735	<i>Laceyella sacchari</i>	/	/	<i>Laceyella sacchari</i>
NR_026352	<i>Thermobranchium celere</i>	/	/	<i>Thermobranchium celere</i>
NR_026134	<i>Caloramator indicus</i>	/	/	<i>Caloramator indicus</i>
NR_043169	<i>Caldalkalibacillus thermanum</i>	/	/	<i>Caldalkalibacillus thermanum</i>
AB110988	<i>Paenibacillus lentimorbus</i>	/	/	<i>Paenibacillus lentimorbus</i>
NR_028814	<i>Thermaerobacter subterraneus</i>	/	/	<i>Thermaerobacter subterraneus</i>
JN860317	uncultured bacterium	/	/	PCGroup_D3
JQ245587	uncultured bacterium	/	/	PCGroup_D3
JQ611103	uncultured bacterium	/	/	PCGroup_D4
FJ792199	uncultured bacterium	/	/	PCGroup_D4
GQ354905	uncultured Microgenomates bacterium	/	/	PCGroup_D2
FN429863	uncultured Tenericutes bacterium	/	/	PCGroup_D2
FN429855	uncultured Firmicutes bacterium	/	/	PCGroup_D2
EU245855	uncultured organism	/	/	Unaffiliated_D1
JN533061	uncultured organism	/	/	Unaffiliated_D1
FM242438	uncultured bacterium	/	/	Unaffiliated_D1
FJ712494	uncultured bacterium	/	/	Unaffiliated_D1
FN820319	uncultured bacterium	/	/	Unaffiliated_D1
DQ521794	uncultured bacterium	/	/	Unaffiliated_D3
JN230082	uncultured bacterium	/	/	Unaffiliated_D3
HE972157	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972158	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972159	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972160	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972161	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972162	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972163	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972164	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a

HE972165	uncultured delta proteobacterium	(12)	SEEP-SRB1a	SEEP-SRB1a
HE972166	uncultured delta proteobacterium	(12)	SEEP-SRB1	SEEP-SRB1a
HE972167	uncultured delta proteobacterium	(12)	SEEP-SRB1e	SEEP-SRB1e
HE972168	uncultured delta proteobacterium	(12)	SEEP-SRB1e	Desulfobacteraceae
HE972169	uncultured delta proteobacterium	(12)	SEEP-SRB1b	SEEP-SRB1b
HE972170	uncultured delta proteobacterium	(12)	Desulfobacteraceae	SEEP-SRB1c
HE972171	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae_3
HE972172	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae_3
HE972173	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae_3
HE972174	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972175	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972176	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972177	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972178	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972179	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972180	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacteraceae
HE972181	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacterales_2
HE972182	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacterales_2
HE972183	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacterales_2
HE972184	uncultured delta proteobacterium	(12)	Desulfobacteraceae	Desulfobacterales_1
HE972185	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae
HE972186	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae
HE972187	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae
HE972188	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae
HE972189	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Verruco_D5
HE972190	uncultured delta proteobacterium	(12)	SEEP-SRB3	Desulfobulbaceae
HE972191	uncultured delta proteobacterium	(12)	SEEP-SRB3	SEEP-SRB3
HE972192	uncultured delta proteobacterium	(12)	SEEP-SRB3	SEEP-SRB3
HE972193	uncultured delta proteobacterium	(12)	SEEP-SRB3	SEEP-SRB3
HE972194	uncultured delta proteobacterium	(12)	SEEP-SRB3	Desulfobulbaceae
HE972195	uncultured delta proteobacterium	(12)	SEEP-SRB3	SEEP-SRB3
HE972197	uncultured delta proteobacterium	(12)	SEEP-SRB4	SEEP-SRB4
HE972198	uncultured delta proteobacterium	(12)	SEEP-SRB4	SEEP-SRB4
HE972199	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae_1
HE972200	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae_1
HE972201	uncultured delta proteobacterium	(12)	Desulfobulbaceae	Desulfobulbaceae_1
HE972202	uncultured delta proteobacterium	(12)	SEEP-SRB2	SEEP-SRB2
HE972203	uncultured delta proteobacterium	(12)	SEEP-SRB2	SEEP-SRB2
HE972204	uncultured delta proteobacterium	(12)	Deltaproteobacteria	Desulfuromonadales
HE972205	uncultured delta proteobacterium	(12)	Deltaproteobacteria	Myxococcales
HE972206	uncultured delta proteobacterium	(12)	Deltaproteobacteria	Myxococcales
HE972207	uncultured delta proteobacterium	(12)	Deltaproteobacteria	Unaffiliated_D4
HE972208	uncultured delta proteobacterium	(12)	Deltaproteobacteria	Unaffiliated_D4
AJ578142	uncultured archaeon	(21)	MBG-B	MBG-B
AJ578143	uncultured archaeon	(21)	MBG-B	MBG-B
AV093453	uncultured archaeon	(21)	SAGMEG-I	SAGMEG
AV704374	uncultured archaeon	(21)	MCG	MCG
DQ302001	uncultured archaeon	(21)	MBG-B	MBG-B
DQ302002	uncultured archaeon	(21)	MBG-B	MBG-B
DQ302003	uncultured archaeon	(21)	MBG-B	MBG-B
DQ302004	uncultured archaeon	(21)	SAGMEG-I	SAGMEG
DQ302005	uncultured archaeon	(21)	MBG-B	MBG-B
DQ302006	uncultured archaeon	(21)	SAGMEG-I	SAGMEG
DQ302007	uncultured archaeon	(21)	MBG-B	MBG-B
DQ302009	uncultured archaeon	(21)	MCG	MCG
DQ302012	uncultured archaeon	(21)	MCG	MCG
DQ302013	uncultured archaeon	(21)	MCG	MCG
DQ302014	uncultured archaeon	(21)	MCG	MCG
DQ302017	uncultured archaeon	(21)	MCG	MCG
DQ302018	uncultured archaeon	(21)	MCG	MCG-13
DQ302021	uncultured archaeon	(21)	MCG	MCG
DQ302022	uncultured archaeon	(21)	MG-II	MBG-D
DQ302024	uncultured archaeon	(21)	MCG	MCG
DQ302025	uncultured archaeon	(21)	MBG-B	MBG-B
DQ302029	uncultured archaeon	(21)	MCG	MCG
DQ302030	uncultured archaeon	(21)	MBG-B	MBG-B
AF119137	uncultured archaeon APA3-11cm	(21)	MBG-B	MBG-B
AF119128	uncultured archaeon CRA8-27cm	(21)	MBG-B	MBG-B
AY436514	uncultured crenarchaeote	(21)	MBG-B	MBG-B
AB196288	<i>Methanocella paludicola</i> SANAE	(22)	Methanocellales	Methanocellales
AY817738	<i>Methanoseta harundinacea</i> 8Ac	(22)	Methanoseta	Methanoseta
DQ787474	<i>Methermicrococcus shengliensis</i>	(22)	Methermicrococcus	Methermicrococcus
AF354131	uncultured archaeon	(22)	ANME-2c	ANME-2c
AF354133	uncultured archaeon	(22)	ANME-2c	ANME-2c
AF354134	uncultured archaeon	(22)	ANME-2ab	ANME-2ab
AF356640	uncultured archaeon	(22)	ANME-1a Guaymas II	ANME-1
AF356644	uncultured archaeon	(22)	ANME-1a Guaymas II	ANME-1
AF419625	uncultured archaeon	(22)	ANME-1a Guaymas I	ANME-1
AF419626	uncultured archaeon	(22)	ANME-1a Guaymas II	ANME-1
AF419630	uncultured archaeon	(22)	ANME-1 Guaymas	ANME-1 Guaymas
AF419631	uncultured archaeon	(22)	ANME-1 Guaymas	ANME-1 Guaymas
AF419632	uncultured archaeon	(22)	ANME-1 Guaymas	ANME-1 Guaymas
AF419638	uncultured archaeon	(22)	ANME-2c	ANME-2c
AF419645	uncultured archaeon	(22)	Methanomicrobiales	Methanomicrobiales
AJ578115	uncultured archaeon	(22)	ANME-2c	ANME-2c
AJ578116	uncultured archaeon	(22)	ANME-2ab	ANME-2ab
AJ578120	uncultured archaeon	(22)	ANME-1b	ANME-1
AJ578123	uncultured archaeon	(22)	ANME-1b	ANME-1
AJ578125	uncultured archaeon	(22)	Methanomicrobiales	Methanocellales
AJ579316	uncultured archaeon	(22)	ANME-1b	ANME-1
AY053468	uncultured archaeon	(22)	ANME-1a	ANME-1
AY760632	uncultured archaeon	(22)	ANME-1a	ANME-1
AY835419	uncultured archaeon	(22)	Methanosarcinales	Methanosarcinales
AY835420	uncultured archaeon	(22)	Methanosarcinales	Methanosarcinales
DQ270605	uncultured archaeon	(22)	ANME-1a	ANME-1
DQ522907	uncultured archaeon	(22)	ANME-2ab	ANME-2ab
EF680216	uncultured archaeon	(22)	Methanomicrobiales	Methanocellales
FJ404024	uncultured archaeon	(22)	ANME-2c	ANME-2c
FR682489	uncultured archaeon	(22)	ANME-1a Guaymas I	ANME-1
FR682490	uncultured archaeon	(22)	ANME-1a Guaymas II	ANME-1
FR682491	uncultured archaeon	(22)	ANME-1a Guaymas II	ANME-1
JF937715	uncultured crenarchaeote	(22)	ANME-1 Guaymas	ANME-1 Guaymas
JF937719	uncultured euryarchaeote	(22)	ANME-1 Guaymas	ANME-1 Guaymas
JF937729	uncultured euryarchaeote	(22)	Methanosarcinaceae	Methanosarcinaceae
JF937730	uncultured euryarchaeote	(22)	Methanomicrobiales	Methanocellales
JF937743	uncultured euryarchaeote	(22)	ANME-2ab	ANME-2ab
JF937746	uncultured euryarchaeote	(22)	ANME-1 Guaymas	ANME-1 Guaymas
JF937751	uncultured euryarchaeote	(22)	ANME-1a Guaymas II	ANME-1
JF937764	uncultured euryarchaeote	(22)	ANME-2c	ANME-2c
JF937766	uncultured euryarchaeote	(22)	Methanosarcinaceae	Methanosarcinaceae
JF937767	uncultured euryarchaeote	(22)	Methanomicrobiales	Methanocellales
JF937770	uncultured euryarchaeote	(22)	ANME-1a Guaymas II	ANME-1
JF937791	uncultured euryarchaeote	(22)	ANME-1 Guaymas	ANME-1 Guaymas
X05567	<i>Archaeoglobus fulgidus</i>	(1)	Archaeoglobales	Archaeoglobus
AY941802	<i>Methanococcoides alaskense</i>	(1)	Methanococcoides	Methanococcoides
Y16946	<i>Methanococcoides</i> sp. NaT1	(1)	Methanococcoides	Methanococcoides
AY260433	<i>Methanomethylivorans hollandica</i>	(1)	Methanomethylivorans	Methanomethylivorans

AJ578097	uncultured archaeon	(1)	ANME-2a	ANME-2ab
AJ578103	uncultured archaeon	(1)	ANME-2ab	ANME-2
AJ578118	uncultured archaeon	(1)	ANME-2c	ANME-2c
AJ578135	uncultured archaeon	(1)	ANME-1b	ANME-1
AJ704631	uncultured archaeon	(1)	ANME-3	ANME-3
AJ890141	uncultured archaeon	(1)	ANME-2c	ANME-2c
AY345181	uncultured archaeon	(1)	ANME-2c	ANME-2c
AY592029	uncultured archaeon	(1)	ANME-2ab	ANME-2
AY592033	uncultured archaeon	(1)	ANME-3	ANME-3
AY592036	uncultured archaeon	(1)	ANME-2ab	ANME-2
AY592050	uncultured archaeon	(1)	ANME-2a	ANME-2ab
AF134393	uncultured archaeon BA2H11fin	(1)	ANME-2a	ANME-2ab
AB240742	uncultured archaeon	(23)	MG-I	MG-I
AB525485	uncultured archaeon	(23)	MBG-D	MBG-D
AJ578107	uncultured archaeon	(23)	ANME-2a	ANME-2ab
EU048598	uncultured archaeon	(23)	MBG-A	MBG-A
EU084518	uncultured archaeon	(23)	MBG-D	Thermoplasmatales
EU385860	uncultured archaeon	(23)	NHG	VALIII-b
EU622307	uncultured archaeon	(23)	ANME-2c	ANME-2c
FJ264517	uncultured archaeon	(23)	MBG-D	MBG-D
FJ264730	uncultured archaeon	(23)	MG-I	MG-I
FJ264742	uncultured archaeon	(23)	MBG-D	MBG-D
FJ264796	uncultured archaeon	(23)	MBG-B / DSAG	MBG-B
FJ264797	uncultured archaeon	(23)	MBG-B / DSAG	MBG-B
FJ264805	uncultured archaeon	(23)	MBG-C	MCG
FJ264822	uncultured archaeon	(23)	C3	MCG-15
FJ264830	uncultured archaeon	(23)	MBG-B / DSAG	MBG-B
FJ264835	uncultured archaeon	(23)	MBG-D	MBG-D
FJ455916	uncultured archaeon	(23)	MBG-D	Thermoplasmatales
FJ455919	uncultured archaeon	(23)	MBG-C	MCG-6
FJ455952	uncultured archaeon	(23)	VALIII	VALIII-a
FJ571664	uncultured archaeon	(23)	MG-I	MG-I
FJ571718	uncultured archaeon	(23)	MG-I	MG-I
FJ571765	uncultured archaeon	(23)	MG-I	MG-I
FJ571920	uncultured archaeon	(23)	MG-I	MG-I
FJ649516	uncultured archaeon	(23)	SAGMEG	SAGMEG
FJ873208	uncultured archaeon	(23)	MBG-D	MBG-D
GQ267183	uncultured archaeon	(23)	MBG-B / DSAG	MBG-B
GQ356803	uncultured archaeon	(23)	MBG-D	Thermoplasmatales
GQ356804	uncultured archaeon	(23)	C3	MCG-15
GQ356819	uncultured archaeon	(23)	MBG-D	MBG-D
GQ356873	uncultured archaeon	(23)	MCG	MCG-17
GQ356885	uncultured archaeon	(23)	MBG-D	MBG-D
GQ356893	uncultured archaeon	(23)	MBG-D	MBG-D
GQ356905	uncultured archaeon	(23)	MBG-C	MCG-6
GQ356920	uncultured archaeon	(23)	MCG	MCG-17
GQ410883	uncultured archaeon	(23)	MG-I	MG-I
GQ410909	uncultured archaeon	(23)	MBG-D	MBG-D
GQ848371	uncultured archaeon	(23)	MG-I	MG-I
GQ927533	uncultured archaeon	(23)	MBG-D	MBG-D
GQ927658	uncultured archaeon	(23)	UEG	Peru Basin Group
GQ994248	uncultured archaeon	(23)	MBG-C	MCG-6
GQ994291	uncultured archaeon	(23)	MHVg	MHVg
GQ994309	uncultured archaeon	(23)	MBG-D	MBG-D
GQ994314	uncultured archaeon	(23)	MBG-D	MBG-D
GQ994356	uncultured archaeon	(23)	MBG-D	MBG-D
AJ294862	uncultured archaeon 19b-26	(23)	MBG-D	MBG-D
AM745251	uncultured crenarchaeote	(23)	MBG-B / DSAG	MBG-B
EU332085	uncultured crenarchaeote	(23)	MBG-C	MCG
EU332090	uncultured crenarchaeote	(23)	C3	MCG-15
EU332092	uncultured crenarchaeote	(23)	MBG-C	MCG
AM745172	uncultured euryarchaeote	(23)	MBG-D	MBG-D
EU570152	uncultured Thermoplasmatales archaeon	(23)	MBG-D	Thermoplasmatales
M36474	<i>Desulfurococcus mobilis</i>	(24)	Desulfurococcales	Desulfurococcus
AJ224936	<i>Ferroplasma acidiphilum</i>	(24)	Thermoplasmatales and related lineages	Ferroplasma
AF033672	<i>Methanocaldococcus halotolerans</i>	(24)	Methanomicrobiales	Methanomicrobiales
M59126	<i>Methanocaldococcus jannaschii</i>	(24)	Methanococcales	Methanococcus
AY196676	<i>Methanocorpusculum bavaricum</i>	(24)	Methanomicrobiales	Methanocorpusculum
AF095267	<i>Methanocorpusculum labreanum</i>	(24)	Methanomicrobiales	Methanocorpusculum
Y16429	<i>Methanofollis liminatans</i>	(24)	Methanomicrobiales	Methanofollis
U20155	<i>Methanolobus vulcani</i>	(24)	Methanolobus	Methanolobus
L19921	<i>Pyrococcus abyssi</i>	(24)	Pyrococcus	Pyrococcus
X99559	<i>Pyrodictium abyssi</i> DSM 6158	(24)	Desulfurococcales	Pyrodictium
X99555	<i>Pyrolobus fumarii</i> 1A	(24)	Desulfurococcales	Pyrolobus
D85507	<i>Sulfurisphaera ohwakuensis</i>	(24)	Sulfurisphaera	Sulfurisphaera
AB005296	<i>Thermocladium modestus</i>	(24)	Thermocladium	Thermocladium
AF395423	uncultured archaeon	(24)	Methanosarcinales	Methanosarcinales
AF419629	uncultured archaeon	(24)	GEG	GEG
AF419636	uncultured archaeon	(24)	MG-I	MG-I
AF424769	uncultured archaeon	(24)	GEG	GEG
AF424770	uncultured archaeon	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
AJ576221	uncultured archaeon	(24)	Methanosarcinales	Methanosarcinales
AY835407	uncultured archaeon	(24)	MBG-B	MBG-B
AY835409	uncultured archaeon	(24)	MBG-B	MBG-B
AY835410	uncultured archaeon	(24)	MBG-B	MBG-B
AY835412	uncultured archaeon	(24)	Methanomicrobiales	Methanomicrobiales
AY835413	uncultured archaeon	(24)	Methanomicrobiales	Methanomicrobiales
AY835415	uncultured archaeon	(24)	Methanomicrobiales	Methanomicrobiales
AY835416	uncultured archaeon	(24)	Methanomicrobiales	Methanomicrobiales
AY835418	uncultured archaeon	(24)	Methanosarcinales	Methanosarcinales
AY835424	uncultured archaeon	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
AY835425	uncultured archaeon	(24)	GEG	GEG
AY835427	uncultured archaeon	(24)	GEG	GEG
AY835428	uncultured archaeon	(24)	SAGMEG	SAGMEG
AJ294899	uncultured archaeon 19b-31	(24)	ANME-2c	ANME-2c
AF015970	uncultured archaeon 2C174	(24)	Methanomicrobiales	Methanomicrobiales
AF015977	uncultured archaeon 2C83	(24)	ANME-2ab	ANME-2ab
AF015986	uncultured archaeon 2MT198	(24)	Methanosarcinales	Methanosarcinales
AF220336	uncultured archaeon O23D1	(24)	Methanomicrobiales	Methanomicrobiales
AF220306	uncultured archaeon O23F7	(24)	Methanosarcinales	Methanosarcinales
AB050211	uncultured archaeon SAGMA-G	(24)	SAGMEG	SAGMEG
AF068820	uncultured archaeon VC2.1 Arc13	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
AF050618	uncultured archaeon WCHD3-16	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
AF050619	uncultured archaeon WCHD3-33	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
AB019741	unidentified archaeon	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
U81773	unidentified archaeon	(24)	Thermoplasmatales and related lineages	Thermoplasmatales
AB109883	uncultured archaeon	(25)	MCG-14	MCG
AB161334	uncultured archaeon	(25)	MCG-11	MCG
AB329790	uncultured archaeon	(25)	MCG-8	MCG
AB329809	uncultured archaeon	(25)	MCG-12	MCG
AJ867793	uncultured archaeon	(25)	MCG-4	MCG
AJ867805	uncultured archaeon	(25)	MCG-4	MCG
AJ867806	uncultured archaeon	(25)	MCG-1	MCG
AY093449	uncultured archaeon	(25)	MCG-8	MCG
AY354113	uncultured archaeon	(25)	MCG-17	MCG-17
AY354121	uncultured archaeon	(25)	MCG-16	MCG
AY592480	uncultured archaeon	(25)	MCG-1	MCG

AY704372	uncultured archaeon	(25)	MCG-8	MCG
DQ301965	uncultured archaeon	(25)	MCG-2	MCG
DQ301981	uncultured archaeon	(25)	MCG-1	MCG
DQ301990	uncultured archaeon	(25)	MCG-1	MCG
DQ301992	uncultured archaeon	(25)	MCG-2	MCG
DQ302026	uncultured archaeon	(25)	MCG	MCG
DQ363761	uncultured archaeon	(25)	MCG-15	MCG-15
DQ363785	uncultured archaeon	(25)	MCG-10	MCG
DQ522920	uncultured archaeon	(25)	MCG-8	MCG
EF125467	uncultured archaeon	(25)	MCG	MCG
EF125488	uncultured archaeon	(25)	MCG-17	MCG-17
EF203529	uncultured archaeon	(25)	MCG-12	MCG
EF203595	uncultured archaeon	(25)	MCG	MCG
EF203628	uncultured archaeon	(25)	MCG-8	MCG
EF203637	uncultured archaeon	(25)	MCG	MCG
EF203656	uncultured archaeon	(25)	MCG	MCG
EF203662	uncultured archaeon	(25)	MCG	MCG
EF367475	uncultured archaeon	(25)	MCG-13	MCG-13
EF367518	uncultured archaeon	(25)	MCG-6	MCG-6
EF367618	uncultured archaeon	(25)	MCG-6	MCG-6
EF680200	uncultured archaeon	(25)	MCG-6	MCG-6
EF680203	uncultured archaeon	(25)	MCG-13	MCG-13
EF680229	uncultured archaeon	(25)	MCG-17	MCG-17
EF680231	uncultured archaeon	(25)	MCG-17	MCG-17
EU915231	uncultured archaeon	(25)	MCG-3	MCG
FJ264834	uncultured archaeon	(25)	MCG-17	MCG-17
FJ404050	uncultured archaeon	(25)	MCG-17	MCG-17
FJ455956	uncultured archaeon	(25)	MCG-17	MCG-17
FJ560326	uncultured archaeon	(25)	MCG	MCG
FJ853477	uncultured archaeon	(25)	MCG	MCG
FJ853478	uncultured archaeon	(25)	MCG	MCG
GQ328129	uncultured archaeon	(25)	MCG-7	MCG
GQ410827	uncultured archaeon	(25)	MCG-8	MCG
GQ926458	uncultured archaeon	(25)	MCG-8	MCG
GQ994133	uncultured archaeon	(25)	MCG-10	MCG
GQ994135	uncultured archaeon	(25)	MCG-3	MCG
HM244057	uncultured archaeon	(25)	MCG	MCG
HM244110	uncultured archaeon	(25)	MCG-5	MCG
JN605006	uncultured archaeon	(25)	MCG-10	MCG
JN605009	uncultured archaeon	(25)	MCG-1	MCG
JN605013	uncultured archaeon	(25)	MCG-10	MCG
JN605014	uncultured archaeon	(25)	MCG-12	MCG
JN605016	uncultured archaeon	(25)	MCG-9	MCG
JN605018	uncultured archaeon	(25)	MCG	MCG
JN605020	uncultured archaeon	(25)	MCG	MCG
JN605024	uncultured archaeon	(25)	MCG-1	MCG
JN605025	uncultured archaeon	(25)	MCG-10	MCG
JN605028	uncultured archaeon	(25)	MCG-6	MCG-6
JN605030	uncultured archaeon	(25)	MCG-1	MCG
JN605034	uncultured archaeon	(25)	MCG-3	MCG
JN605036	uncultured archaeon	(25)	MCG-10	MCG
JN605038	uncultured archaeon	(25)	MCG-17	MCG-17
JN605040	uncultured archaeon	(25)	MCG-6	MCG-6
JN605041	uncultured archaeon	(25)	MCG-8	MCG
JN605042	uncultured archaeon	(25)	MCG-4	MCG
JN605043	uncultured archaeon	(25)	MCG	MCG
JN605044	uncultured archaeon	(25)	MCG-6	MCG-6
JN605045	uncultured archaeon	(25)	MCG-6	MCG-6
JN605046	uncultured archaeon	(25)	MCG-1	MCG
JN605047	uncultured archaeon	(25)	MCG-1	MCG
JN605048	uncultured archaeon	(25)	MCG-9	MCG
JN605053	uncultured archaeon	(25)	MCG-11	MCG
JN605054	uncultured archaeon	(25)	MCG-8	MCG
JN605055	uncultured archaeon	(25)	MCG-17	MCG-17
JN605058	uncultured archaeon	(25)	MCG-17	MCG-17
JN605060	uncultured archaeon	(25)	MCG-6	MCG-6
JN605061	uncultured archaeon	(25)	MCG	MCG
JN605067	uncultured archaeon	(25)	MCG-17	MCG-17
JN605068	uncultured archaeon	(25)	MCG-4	MCG
JN605070	uncultured archaeon	(25)	MCG-3	MCG
JN605071	uncultured archaeon	(25)	MCG-11	MCG
JN605077	uncultured archaeon	(25)	MCG	MCG
JN605078	uncultured archaeon	(25)	MCG-11	MCG
JN605079	uncultured archaeon	(25)	MCG	MCG
JN605080	uncultured archaeon	(25)	MCG-17	MCG-17
JN605081	uncultured archaeon	(25)	MCG-3	MCG
JN605084	uncultured archaeon	(25)	MCG-13	MCG-13
JN605085	uncultured archaeon	(25)	MCG-17	MCG-17
JN605086	uncultured archaeon	(25)	MCG-1	MCG
JN605087	uncultured archaeon	(25)	MCG-4	MCG
JN605088	uncultured archaeon	(25)	MCG	MCG
JN605091	uncultured archaeon	(25)	MCG	MCG
JN605092	uncultured archaeon	(25)	MCG-13	MCG-13
JN605094	uncultured archaeon	(25)	MCG-3	MCG
JN605097	uncultured archaeon	(25)	MCG-9	MCG
JN605101	uncultured archaeon	(25)	MCG	MCG
JN605102	uncultured archaeon	(25)	MCG-13	MCG-13
JN605103	uncultured archaeon	(25)	MCG-17	MCG-17
JN605106	uncultured archaeon	(25)	MCG-8	MCG
JN605107	uncultured archaeon	(25)	MCG-8	MCG
JN605111	uncultured archaeon	(25)	MCG-14	MCG
JN605115	uncultured archaeon	(25)	MCG-10	MCG
JN605117	uncultured archaeon	(25)	MCG-11	MCG
JN605121	uncultured archaeon	(25)	MCG	MCG
JN605122	uncultured archaeon	(25)	MCG-12	MCG
JN605123	uncultured archaeon	(25)	MCG-13	MCG-13
JN605126	uncultured archaeon	(25)	MCG-3	MCG
JN605128	uncultured archaeon	(25)	MCG-13	MCG-13
JN605129	uncultured archaeon	(25)	MCG-13	MCG-13
JN605130	uncultured archaeon	(25)	MCG-6	MCG-6
JN605133	uncultured archaeon	(25)	MCG	MCG
JN605134	uncultured archaeon	(25)	MCG	MCG
JN605136	uncultured archaeon	(25)	MCG-8	MCG
JN605139	uncultured archaeon	(25)	MCG-15	MCG-15
JN605140	uncultured archaeon	(25)	MCG-4	MCG
JN605141	uncultured archaeon	(25)	MCG-3	MCG
JN605145	uncultured archaeon	(25)	MCG-9	MCG
JN605148	uncultured archaeon	(25)	MCG-13	MCG-13
JN605152	uncultured archaeon	(25)	MCG-1	MCG
JN605155	uncultured archaeon	(25)	MCG-4	MCG
JN605156	uncultured archaeon	(25)	MCG	MCG
JN605157	uncultured archaeon	(25)	MCG-4	MCG
JN605158	uncultured archaeon	(25)	MCG	MCG
JN605159	uncultured archaeon	(25)	MCG-4	MCG
JN605160	uncultured archaeon	(25)	MCG-1	MCG
JN605163	uncultured archaeon	(25)	MCG	MCG
JN605166	uncultured archaeon	(25)	MCG-1	MCG

JN605168	uncultured archaeon	(25)	MCG-8	MCG
JN605170	uncultured archaeon	(25)	MCG-10	MCG
JN605171	uncultured archaeon	(25)	MCG	MCG
JN605172	uncultured archaeon	(25)	MCG	MCG
JN605174	uncultured archaeon	(25)	MCG	MCG
AB301868	uncultured crenarchaeote	(25)	MCG-7	MCG
AJ937877	uncultured crenarchaeote	(25)	MCG-6	MCG-6
AM039529	uncultured crenarchaeote	(25)	MCG	MCG
AM076830	uncultured crenarchaeote	(25)	MCG-5	MCG
AM942159	uncultured crenarchaeote	(25)	MCG-16	MCG
FJ901453	uncultured crenarchaeote	(25)	MCG-5	MCG
FJ901475	uncultured crenarchaeote	(25)	MCG-10	MCG
FJ901670	uncultured crenarchaeote	(25)	MCG-8	MCG
FJ901681	uncultured crenarchaeote	(25)	MCG-5	MCG
FJ901720	uncultured crenarchaeote	(25)	MCG-3	MCG
FJ901972	uncultured crenarchaeote	(25)	MCG-9	MCG
FJ902673	uncultured crenarchaeote	(25)	MCG-9	MCG
AF095270	<i>Methanoculleus bourgenis</i>	(3)	Methanoculleus	Methanoculleus
M59130	<i>Methanogenium cariaci</i>	(3)	Methanogenium	Methanogenium
M59133	<i>Methanohalophilus mahii</i> DSM 5219	(3)	Methanohalophilus	Methanohalophilus
U20154	<i>Methanobolus taylorii</i>	(3)	Methanobolus	Methanobolus
AF120163	<i>Methanomethylovorans hollandica</i> DSM 15978	(3)	Methanomethylovorans	Methanomethylovorans
AF028691	<i>Methanosarcina mazei</i>	(3)	Methanosarcina	Methanosarcina
M60880	<i>Methanospirillum hungatei</i>	(3)	Methanospirillum	Methanospirillum
DQ085097	<i>Nitrosopumilus maritimus</i> SCM1	(3)	MG-I	Nitrosopumilus
X84901	<i>Picrophilus oshimae</i>	(3)	Thermoplasmatales	Picrophilus
M38637	<i>Thermoplasma acidophilum</i>	(3)	Thermoplasmatales	Thermoplasma
AB161329	uncultured archaeon	(3)	Methanosarcinales	Methanosarcinales
AF354126	uncultured archaeon	(3)	ANME-1b	ANME-1
AF354128	uncultured archaeon	(3)	ANME-2b	ANME-2
AF354136	uncultured archaeon	(3)	ANME-3	ANME-3
AF354138	uncultured archaeon	(3)	ANME-2b	ANME-2
AJ579313	uncultured archaeon	(3)	MBG-B / DSAG	MBG-B
AJ969751	uncultured archaeon	(3)	MBG-D / MGIII	MBG-D
AY324375	uncultured archaeon	(3)	ANME-1b	ANME-1
AY367345	uncultured archaeon	(3)	MBG-B / DSAG	MBG-B
AY592809	uncultured archaeon	(3)	ANME-2a	ANME-2ab
AY835408	uncultured archaeon	(3)	MBG-B / DSAG	MBG-B
AF142981	uncultured archaeon BURTON2_A	(3)	MBG-D / MGIII	MBG-D
AF134388	uncultured archaeon TA1c9	(3)	MBG-D / MGIII	MBG-D
AF134390	uncultured archaeon TA1f2	(3)	MBG-D / MGIII	MBG-D
AF050620	uncultured archaeon WCHD3-34	(3)	Methanomicrobiales relatives	Methanocellales
AB072723	uncultured bacterium	(3)	MBG-B / DSAG	MBG-B
AJ578114	uncultured crenarchaeote	(3)	MBG-B / DSAG	MBG-B
AY320199	uncultured crenarchaeote	(3)	MG-I	MG-I
AY436512	uncultured crenarchaeote	(3)	MBG-B / DSAG	MBG-B
AB114309	uncultured euryarchaeote	(3)	Methanosarcinales	Methanosarcinales
AY211707	uncultured euryarchaeote	(3)	ANME-1b	ANME-1
AY436523	uncultured euryarchaeote	(3)	MBG-D / MGIII	MBG-D
AY542191	uncultured euryarchaeote	(3)	ANME-1b	ANME-1
AY211686	uncultured Methanosarcinales archaeon	(3)	ANME-2c	ANME-2c
AY211703	uncultured Methanosarcinales archaeon	(3)	GoM-ArcI	GoM-ArcI
AY542184	uncultured Methanosarcinales archaeon	(3)	GoM-ArcI	GoM-ArcI
AY211690	uncultured Thermoplasmatales archaeon	(3)	Thermoplasmatales	Thermoplasmatales
AY211714	uncultured Thermoplasmatales archaeon	(3)	Thermoplasmatales	Thermoplasmatales
AY323215	uncultured Thermoplasmatales archaeon	(3)	MBG-D / MGIII	MBG-D
AY323220	uncultured Thermoplasmatales archaeon	(3)	MBG-D / MGIII	MBG-D
AB019737	unidentified archaeon	(3)	MBG-D / MGIII	MBG-D
AB019758	unidentified archaeon	(3)	ANME-1a	ANME-1
AF354137	uncultured archaeon	(4)	ANME-1	ANME-1
AJ578091	uncultured archaeon	(4)	MBG-D	MBG-D
AJ578128	uncultured archaeon	(4)	ANME-2b	ANME-2ab
AY354120	uncultured archaeon	(4)	MBG-E	MBG-E
AY835423	uncultured archaeon	(4)	TMEG	Thermoplasmatales
DQ521781	uncultured archaeon	(4)	MBG-D	MBG-D
AF134387	uncultured archaeon TA1a9	(4)	ANME-1	ANME-1
AB019737	unidentified archaeon	(4)	MBG-D	MBG-D
AB252424	uncultured archaeon	(5)	ANME-2ab	ANME-2ab
AF419650	uncultured archaeon	(5)	ANME-2c	ANME-2c
AJ578088	uncultured archaeon	(5)	ANME-2ab	ANME-2ab
AJ578119	uncultured archaeon	(5)	ANME-3	ANME-3
AJ578122	uncultured archaeon	(5)	ANME-2ab	ANME-2ab
AJ890142	uncultured archaeon	(5)	ANME-2c	ANME-2c
AY835421	uncultured archaeon	(5)	Methanosarcinales	Methanosarcinales
AY835422	uncultured archaeon	(5)	MBG-D	Thermoplasmatales
AY835426	uncultured archaeon	(5)	GEG	GEG
DQ004668	uncultured archaeon	(5)	ANME-2c	ANME-2c
DQ521782	uncultured archaeon	(5)	GoM-ArcI	GoM-ArcI
DQ522919	uncultured archaeon	(5)	ANME-1	ANME-1
DQ640158	uncultured archaeon	(5)	MBG-D	MBG-D
EF687612	uncultured archaeon	(5)	GoM-ArcI	GoM-ArcI
EU280197	uncultured archaeon	(5)	MBG-D	MBG-B
AM745179	uncultured euryarchaeote	(5)	Methanosarcinales	Methanosarcinales
AM745239	uncultured euryarchaeote	(5)	ANME-1	ANME-1
AM745242	uncultured euryarchaeote	(5)	MBG-D	MBG-D
DQ084449	uncultured Methanosarcinales archaeon	(5)	ANME-2c	ANME-2c
DQ084450	uncultured Methanosarcinales archaeon	(5)	ANME-2ab	ANME-2ab
DQ084451	uncultured Methanosarcinales archaeon	(5)	ANME-2c	ANME-2c
DQ084452	uncultured Methanosarcinales archaeon	(5)	ANME-2ab	ANME-2ab
AB447467	<i>Methanolinea mesophila</i>	(26)	Methanomicrobiales	Methanolinea
AJ133791	<i>Methanosaepta</i> sp.	(26)	Methanosarcinales	Methanosaepta
AB252423	uncultured archaeon	(26)	ANME-2c	ANME-2c
AB252425	uncultured archaeon	(26)	MBG-D	MBG-D
AB252487	uncultured archaeon	(26)	MBG-B	MBG-B
AF419644	uncultured archaeon	(26)	ANME-2c	ANME-2c
AJ578098	uncultured archaeon	(26)	ANME-2c	ANME-2c
AJ578148	uncultured archaeon	(26)	MBG-B	MHVG
AJ579329	uncultured archaeon	(26)	ANME-3	ANME-3
AY835411	uncultured archaeon	(26)	MBG-B	MBG-B
AY835414	uncultured archaeon	(26)	Methanomicrobiales	Methanomicrobiales
AY835417	uncultured archaeon	(26)	Methanosarcinales	Methanosarcinales
DQ004666	uncultured archaeon	(26)	MBG-B	MHVG
DQ522940	uncultured archaeon	(26)	MBG-B	MHVG
DQ640142	uncultured archaeon	(26)	MBG-B	MBG-B
EF687578	uncultured archaeon	(26)	MBG-D	Thermoplasmatales
FJ649533	uncultured archaeon	(26)	MBG-B	MBG-B
FJ712383	uncultured archaeon	(26)	MBG-D	MBG-D
FM179865	uncultured archaeon	(26)	ANME-2c	ANME-2c
FN820412	uncultured archaeon	(26)	MBG-D	Thermoplasmatales
GU190973	uncultured archaeon	(26)	Archaea	DHVE-8
GU190993	uncultured archaeon	(26)	MBG-D	MBG-D
AM229237	uncultured euryarchaeote	(26)	MBG-D	Thermoplasmatales
AM229255	uncultured euryarchaeote	(26)	Archaea	DHVE-8
AM745258	uncultured euryarchaeote	(26)	ANME-1	ANME-1
DQ084452	uncultured Methanosarcinales archaeon	(26)	ANME-2a	ANME-2ab
EF069341	uncultured Nitrosopumilales archaeon	(26)	MG-I	MG-I
EF069366	uncultured Nitrosopumilales archaeon	(26)	MG-I	MG-I

EF069376	uncultured Nitrosopumilales archaeon	(26)	MG-I	MG-I
AB019720	unidentified archaeon	(26)	MBG-B	MBG-B
M35966	<i>Thermoproteus tenax</i>	(27)	Thermoproteus	Thermoproteus
AB094516	uncultured archaeon	(27)	MBG-B	MBG-B
AB094518	uncultured archaeon	(27)	MBG-B	MBG-B
AB094555	uncultured archaeon	(27)	MBG-B	MBG-B
AB176997	uncultured archaeon	(27)	MBG-B	MBG-B
AB176998	uncultured archaeon	(27)	MCG	MCG
AB177000	uncultured archaeon	(27)	SAGMEG-I	SAGMEG
AB177001	uncultured archaeon	(27)	MCG-1	MCG
AB177002	uncultured archaeon	(27)	SAGMEG-I	SAGMEG
AB177007	uncultured archaeon	(27)	MCG	MCG
AB177015	uncultured archaeon	(27)	MCG-3	MCG
AB177019	uncultured archaeon	(27)	MBG-D	MBG-D
AB177025	uncultured archaeon	(27)	MBG-B	MBG-B
AB177028	uncultured archaeon	(27)	SAGMEG-I	SAGMEG
AB177029	uncultured archaeon	(27)	TMEG	Thermoplasmatales
AB177030	uncultured archaeon	(27)	MBG-D	MBG-D
AB177032	uncultured archaeon	(27)	SAGMEG relatives	SAGMEG
AB177121	uncultured archaeon	(27)	MBG-D	MBG-D
AB177265	uncultured archaeon	(27)	SAGMEG-I	SAGMEG
AB177269	uncultured archaeon	(27)	VALIII	VALIII-a
AB177272	uncultured archaeon	(27)	MCG-1	MCG
AB177274	uncultured archaeon	(27)	MCG-1	MCG
AB177279	uncultured archaeon	(27)	MCG-3	MCG
AB177285	uncultured archaeon	(27)	MBG-D	MBG-D
AB237746	uncultured archaeon	(27)	SAGMEG relatives	SAGMEG
AJ578126	uncultured archaeon	(27)	MBG-B	MBG-B
AJ867778	uncultured archaeon	(27)	SAGMEG-I	SAGMEG
AJ867783	uncultured archaeon	(27)	SAGMEG relatives	SAGMEG
AJ867785	uncultured archaeon	(27)	MCG-3	MCG
AJ867791	uncultured archaeon	(27)	MCG	MCG
AJ867792	uncultured archaeon	(27)	MCG	MCG
AJ867794	uncultured archaeon	(27)	MCG-1	MCG
AJ867799	uncultured archaeon	(27)	MCG-1	MCG
AJ867801	uncultured archaeon	(27)	MCG-1	MCG
AJ867807	uncultured archaeon	(27)	MBG-B	MBG-B
AJ867808	uncultured archaeon	(27)	MCG-4	MCG
AF005759	uncultured archaeon Arc.75	(27)	MCG	MCG
AF119132	uncultured archaeon CRA4-23cm	(27)	MBG-B	MBG-B
AB050242	uncultured archaeon SAGMA-12	(27)	SAGMEG-II	SAGMEG
AB050245	uncultured archaeon SAGMA-15	(27)	SAGMEG-II	SAGMEG
AB050212	uncultured archaeon SAGMA-H	(27)	SAGMEG-II	SAGMEG
AF134389	uncultured archaeon TA1e6	(27)	MBG-D	MBG-D
AY436513	uncultured crenarchaeote	(27)	MBG-B	MBG-B
AJ131266	uncultured euryarchaeote VAL112	(27)	VALIII	VALIII-a
AJ131270	uncultured euryarchaeote VAL84	(27)	VALIII	VALIII-b
AB019715	unidentified archaeon	(27)	AAG	AAG
AB355986	<i>Haloarcula japonica</i>	(28)	Haloarcula	Haloarcula
AB355987	<i>Haloarcula marismortui</i>	(28)	Haloarcula	Haloarcula
AB355988	<i>Haloarcula quadrata</i>	(28)	Haloarcula	Haloarcula
DQ167232	<i>Thermococcus onnurineus</i> NA1	(28)	Thermococcus	Thermococcus
AB094525	uncultured archaeon	(28)	MHVG	MHVG
AB094549	uncultured archaeon	(28)	MBG-D / MGIII	MBG-D
AB094550	uncultured archaeon	(28)	MBG-B / DSAG	MBG-B
AB176996	uncultured archaeon	(28)	MCG-4	MCG
AB176999	uncultured archaeon	(28)	MBG-B / DSAG	MBG-B
AB177012	uncultured archaeon	(28)	MCG-3	MCG
AB177016	uncultured archaeon	(28)	MCG-3	MCG
AB177023	uncultured archaeon	(28)	SAGMEG	SAGMEG
AB177097	uncultured archaeon	(28)	MG-II	MG-II
AB177100	uncultured archaeon	(28)	MG-I	MG-I
AB177229	uncultured archaeon	(28)	MHVG	MHVG
AJ867784	uncultured archaeon	(28)	SAGMEG	SAGMEG
AJ867787	uncultured archaeon	(28)	MCG-4	MCG
AJ867790	uncultured archaeon	(28)	MCG-3	MCG
AJ867796	uncultured archaeon	(28)	MCG	MCG
AJ867797	uncultured archaeon	(28)	MCG-3	MCG
AY093446	uncultured archaeon	(28)	MCG	MCG
AY093448	uncultured archaeon	(28)	MBG-B / DSAG	MBG-B
AY093454	uncultured archaeon	(28)	SAGMEG	SAGMEG
DQ301966	uncultured archaeon	(28)	SAGMEG	SAGMEG
DQ301972	uncultured archaeon	(28)	TMEG	Thermoplasmatales
DQ301975	uncultured archaeon	(28)	MCG-4	MCG
DQ301976	uncultured archaeon	(28)	MCG-2	MCG
DQ301988	uncultured archaeon	(28)	MCG-3	MCG
DQ841225	uncultured archaeon	(28)	DHVE-6	DHVE-6
AF119143	uncultured archaeon ACA10-0cm	(28)	MBG-A	MBG-A
AF119139	uncultured archaeon APA6-17cm	(28)	MBG-E	MBG-E
AB050214	uncultured archaeon SAGMA-J	(28)	SAGMEG	SAGMEG
AB050225	uncultured archaeon SAGMA-T	(28)	TMEG	Thermoplasmatales
AY800206	uncultured crenarchaeote	(28)	MBG-B / DSAG	MBG-B
AY800216	uncultured crenarchaeote	(28)	MBG-A	MBG-A
AY800232	uncultured crenarchaeote	(28)	MG-I	MG-I
AB019716	unidentified archaeon	(28)	AAG	AAG
AB019717	unidentified archaeon	(28)	AAG	AAG
AB019721	unidentified archaeon	(28)	MBG-B / DSAG	MBG-B
AB019753	unidentified archaeon	(28)	DHVE-6	DHVE-6
AB019756	unidentified archaeon	(28)	DHVE-6	DHVE-6
Y10011	<i>Archaeoglobus veneficus</i>	(7)	Archaeoglobales	Archaeoglobus
X99565	<i>Ferroplasma placidus</i> DSM 10642	(7)	Archaeoglobales	Ferroplasma
L37444	<i>Halobaculum gomorrense</i>	(7)	Halobacteriales	Halobaculum
X00662	<i>Halococcus morrhuae</i>	(7)	Halobacteriales	Halococcus
D11107	<i>Haloferax mediterranei</i> ATCC 33500	(7)	Halobacteriales	Haloferax
AJ238002	<i>Methanomicrococcus blatticola</i>	(7)	Methanomicrococcus	Methanomicrococcus
M59124	<i>Methanobacterium bryantii</i>	(7)	Methanobacteriales	Methanobacterium
X99044	<i>Methanobacterium subterraneum</i>	(7)	Methanobacteriales	Methanobacterium
AF025822	<i>Methanocaldococcus infernus</i>	(7)	Methanococcales	Methanococcus
M59126	<i>Methanocaldococcus jannaschii</i>	(7)	Methanococcales	Methanococcus
M59127	<i>Methanocaldococcus methylutens</i>	(7)	Methylococcales	Methylococcales
M36507	<i>Methanococcus vannielii</i>	(7)	Methanococcales	Methanococcus
M59147	<i>Methanocorpusculum parvum</i>	(7)	Methanomicrobiales	Methanocorpusculum
M59134	<i>Methanoculleus marisnigri</i>	(7)	Methanomicrobiales	Methanogenium
M59129	<i>Methanoculleus thermophilus</i>	(7)	Methanomicrobiales	Methanogenium
M59131	<i>Methanogenium organophilum</i>	(7)	Methanomicrobiales	Methanogenium
U20152	<i>Methanohalobium oregonensis</i>	(7)	Methanohalobus	Methanohalobus
M59135	<i>Methanohalobium tindarium</i>	(7)	Methanohalobus	Methanohalobus
M59142	<i>Methanomicrobium mobile</i> BP	(7)	Methanomicrobiales	Methanomicrobium
M59143	<i>Methanoplanus limicola</i> DSM 2279	(7)	Methanomicrobiales	Methanoplanus
M59932	<i>Methanopyrus kandleri</i>	(7)	Methanopyrus	Methanopyrus
X16932	<i>Methanoseta concilii</i>	(7)	Methanothrix	Methanothrix
M59141	<i>Methanoseta thermophila</i>	(7)	Methanothrix	Methanothrix
AJ012094	<i>Methanosarcina barkeri</i>	(7)	Methanosarcina	Methanosarcina
M59140	<i>Methanosarcina thermophila</i> TM-1	(7)	Methanosarcina	Methanosarcina
M59139	<i>Methanosphaera stadtmanae</i>	(7)	Methanobacteriales	Methanosphaera
AJ225071	<i>Pyrococcus abyssi</i>	(7)	Pyrococcus	Pyrococcus
M21087	<i>Pyrodicticum occultum</i>	(7)	Desulfurococcales	Pyrodicticum

Z70244	<i>Thermococcus hydrothermalis</i>	(7)	Thermococcus	Thermococcus
AF354129	uncultured archaeon	(7)	ANME-2c	ANME-2c
AF354132	uncultured archaeon	(7)	Methanosarcinales	Methanosarcinales
AF419627	uncultured archaeon	(7)	ANME-1a	ANME-1
AF419628	uncultured archaeon	(7)	Archaeoglobales	Archaeoglobales
AF419629	uncultured archaeon	(7)	Unaffiliated	GEG
AF419633	uncultured archaeon	(7)	Thermoprotei	Thermoprotei
AF419634	uncultured archaeon	(7)	Methanomicrobiales	Methanomicrobiales
AF419637	uncultured archaeon	(7)	Archaeoglobales	Archaeoglobales
AF419639	uncultured archaeon	(7)	Korarchaeota	Korarchaeota
AF419640	uncultured archaeon	(7)	Thermococcales	Thermococcales
AF419641	uncultured archaeon	(7)	Thermococcales	Thermococcales
AF419646	uncultured archaeon	(7)	MPAG-I	MG-I
AF419647	uncultured archaeon	(7)	ANME-2c	ANME-2c
AF419649	uncultured archaeon	(7)	ANME-1a	ANME-1
AF419651	uncultured archaeon	(7)	Unaffiliated	GEG
AF419652	uncultured archaeon	(7)	ANME-1a	ANME-1
AF419654	uncultured archaeon	(7)	ANME-1a	ANME-1
AF419656	uncultured archaeon	(7)	Unaffiliated	GEG
AF004343	uncultured crenarchaeote	(7)	Crenarchaeota	MCG-15
AF004344	uncultured crenarchaeote	(7)	Crenarchaeota	MCG-17
L25303	uncultured korarchaeote pJP78	(7)	Korarchaeota	Korarchaeota
AB007304	unidentified archaeon	(7)	Korarchaeota	Korarchaeota
AB019759	unidentified archaeon	(7)	ANME-1a	ANME-1
D87350	unculturable Mariana archaeon no. 15	(29)	MG-I alpha	MG-I
AB072725	uncultured archaeon	(29)	MG-I zeta	MG-I
AB094513	uncultured archaeon	(29)	MCG	MCG
AB094515	uncultured archaeon	(29)	MBG-D	MBG-D
AB094523	uncultured archaeon	(29)	DSAG / MBG-B	MBG-B
AB094527	uncultured archaeon	(29)	MBG-D	MBG-D
AB094530	uncultured archaeon	(29)	SAGMEG-I	SAGMEG
AB094531	uncultured archaeon	(29)	DSAG / MBG-B	MBG-B
AB094532	uncultured archaeon	(29)	DSAG / MBG-B	MBG-B
AB094540	uncultured archaeon	(29)	MCG	MCG
AB094545	uncultured archaeon	(29)	SAGMEG-I	SAGMEG
AB094546	uncultured archaeon	(29)	MCG	MCG-6
AB094547	uncultured archaeon	(29)	MCG	MCG
AB094548	uncultured archaeon	(29)	MCG	MCG
AB094560	uncultured archaeon	(29)	MCG	MCG-6
AF355807	uncultured archaeon	(29)	DSAG / MBG-B	MBG-B
AF418925	uncultured archaeon	(29)	MCG	MCG-6
AF418931	uncultured archaeon	(29)	TMEG	Thermoplasmatales
AF418940	uncultured archaeon	(29)	TMEG	Thermoplasmatales
AF419642	uncultured archaeon	(29)	DSAG / MBG-B	MBG-B
AF419643	uncultured archaeon	(29)	MBG-D	MBG-D
AF419653	uncultured archaeon	(29)	MCG	MCG-13
AV093447	uncultured archaeon	(29)	MCG	MCG
AV093451	uncultured archaeon	(29)	MCG	MCG
AY166110	uncultured archaeon	(29)	UCII-b	UCII-b
AY166117	uncultured archaeon	(29)	UCII-b	UCII-b
AY661815	uncultured archaeon	(29)	Peru Basin Group	Peru Basin Group
AY661817	uncultured archaeon	(29)	Peru Basin Group	Peru Basin Group
AY661819	uncultured archaeon	(29)	UCII-b	UCII-b
AY661820	uncultured archaeon	(29)	UCII-b	UCII-b
AY661825	uncultured archaeon	(29)	DSAG / MBG-B	MBG-B
AY661826	uncultured archaeon	(29)	SAGMEG-I	SAGMEG
AY661827	uncultured archaeon	(29)	SAGMEG-I	SAGMEG
AY661829	uncultured archaeon	(29)	DHVE-6	MBG-E
AY661833	uncultured archaeon	(29)	MG-I eta	MG-I
AY661834	uncultured archaeon	(29)	MG-I eta	MG-I
AY661846	uncultured archaeon	(29)	MG-I alpha	MG-I
AJ299151	uncultured archaeon 20a-6	(29)	UCII-b	UCII-b
AF015992	uncultured archaeon 2MT8	(29)	MBG-D	MBG-D
AF119145	uncultured archaeon ACA17-9cm	(29)	MG-I epsilon	MG-I
AF119146	uncultured archaeon ACA3-0cm	(29)	MG-I zeta	MG-I
AF119135	uncultured archaeon APA2-17cm	(29)	MBG-A	MBG-A
AF119138	uncultured archaeon APA4-0cm	(29)	MG-I alpha	MG-I
AF005754	uncultured archaeon Arc.3	(29)	MCG	MCG
AF005758	uncultured archaeon Arc.43	(29)	MCG	MCG
AF005756	uncultured archaeon Arc.9	(29)	MCG	MCG
AF119123	uncultured archaeon CRA12-27cm	(29)	MBG-D	MBG-D
AF119125	uncultured archaeon CRA7-0cm	(29)	MG-I epsilon	MG-I
AB049030	uncultured archaeon pPCA4.4	(29)	MG-I eta	MG-I
AB049031	uncultured archaeon pPCA4.9	(29)	MG-I eta	MG-I
AB050239	uncultured archaeon SAGMA-9	(29)	MG-I epsilon	MG-I
AB050209	uncultured archaeon SAGMA-E	(29)	SAGMEG-I	SAGMEG
AB050222	uncultured archaeon SAGMA-Q	(29)	SAGMEG-I	SAGMEG
AB050223	uncultured archaeon SAGMA-R	(29)	SAGMEG-I	SAGMEG
AF068822	uncultured archaeon VC2.1 Arc31	(29)	DSAG / MBG-B	MBG-B
AF050616	uncultured archaeon WCHD3-02	(29)	TMEG	Thermoplasmatales
AJ133622	uncultured archeon 'KTK 9A'	(29)	MBG-D	MBG-D
AB072727	uncultured bacterium	(29)	MG-I eta	MG-I
AB015273	uncultured crenarchaeote	(29)	MCG	MCG
AY436511	uncultured crenarchaeote	(29)	DSAG / MBG-B	MBG-B
AY436515	uncultured crenarchaeote	(29)	MCG	MCG
AY436519	uncultured crenarchaeote	(29)	MCG	MCG
AY800207	uncultured crenarchaeote	(29)	DSAG / MBG-B	MBG-B
AY800212	uncultured crenarchaeote	(29)	MBG-A	MBG-A
AY800218	uncultured crenarchaeote	(29)	MG-I zeta	MG-I
AY800219	uncultured crenarchaeote	(29)	MG-I epsilon	MG-I
U59986	uncultured crenarchaeote	(29)	MCG	MCG-6
U63339	uncultured crenarchaeote	(29)	MCG	MCG
U63343	uncultured crenarchaeote	(29)	MBG-A	MBG-A
U63345	uncultured crenarchaeote	(29)	MCG	MCG
U78199	uncultured crenarchaeote	(29)	MG-I gamma	MG-I
AY436522	uncultured euryarchaeote	(29)	MBG-D	MBG-D
AY436524	uncultured euryarchaeote	(29)	MBG-D	MBG-D
AB019723	unidentified archaeon	(29)	MG-I alpha	MG-I
AB019728	unidentified archaeon	(29)	MG-I gamma	MG-I
AB019738	unidentified archaeon	(29)	MBG-D	MBG-D
AB019754	unidentified archaeon	(29)	DHVE-6	MBG-E
M88075	unidentified archaeon	(29)	MG-I alpha	MG-I
FJ555678	archaeon enrichment culture clone AOM-Clone-D10	(30)	ANME-2	ANME-2ab
HQ405741	archaeon enrichment culture clone AOM-SR-A55	(30)	ANME-2a	ANME-2ab
AF028689	<i>Methanobacterium formicum</i>	(30)	Methanobacterium	Methanobacterium
X65537	<i>Methanococcoides burtonii</i>	(30)	Methanococcoides	Methanococcoides
U38486	<i>Methanococcus maripaludis</i> C5	(30)	Methanococcus	Methanococcus
DQ177345	<i>Methanogenium marinum</i>	(30)	Methanogenium	Methanogenium
AB301476	<i>Methanopyrus kandleri</i>	(30)	Methanopyrus	Methanopyrus
M59146	<i>Methanoseta concilii</i>	(30)	Methanoseta	Methanoseta
AF028692	<i>Methanosarcina barkeri</i>	(30)	Methanosarcinales	Methanosarcina
AB094542	uncultured archaeon	(30)	TMEG	Thermoplasmatales
AB094544	uncultured archaeon	(30)	MBG-B / DSAG	MBG-B
AB177092	uncultured archaeon	(30)	MG-I	MG-I
AB177113	uncultured archaeon	(30)	MG-II	MG-II
AF354139	uncultured archaeon	(30)	ANME-2c	ANME-2c
AF419624	uncultured archaeon	(30)	ANME-1a Guaymas I	ANME-1

AF419655	uncultured archaeon	(30)	ANME-1 Guaymas	ANME-1 Guaymas
AJ578089	uncultured archaeon	(30)	ANME-1b	ANME-1
AJ578095	uncultured archaeon	(30)	ANME-2c	ANME-2c
AJ578112	uncultured archaeon	(30)	ANME-2c	ANME-2c
AJ579327	uncultured archaeon	(30)	ANME-3	ANME-3
AJ579330	uncultured archaeon	(30)	ANME-3	ANME-3
AY592258	uncultured archaeon	(30)	TMEG	Thermoplasmatales
AY835426	uncultured archaeon	(30)	MBG-E	GEG
DQ146762	uncultured archaeon	(30)	RC-V	RC-V
DQ301985	uncultured archaeon	(30)	MCG	MCG
DQ301997	uncultured archaeon	(30)	MBG-D	MBG-D
EF687522	uncultured archaeon	(30)	DHVE-8	DHVE-8
EU622304	uncultured archaeon	(30)	ANME-2c	ANME-2c
EU713867	uncultured archaeon	(30)	ANME-2c	ANME-2c
EU713911	uncultured archaeon	(30)	TMEG	Thermoplasmatales
FJ712393	uncultured archaeon	(30)	MBG-D	MBG-D
GQ356887	uncultured archaeon	(30)	Methanosarcinales	Methanosarcinales
GU190971	uncultured archaeon	(30)	DHVE-8	DHVE-8
GU190984	uncultured archaeon	(30)	DHVE-8	DHVE-8
GU270148	uncultured archaeon	(30)	ANME-2c	ANME-2c
GU270162	uncultured archaeon	(30)	MCG	MCG-6
HE774517	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774518	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774519	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774520	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774521	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774522	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774523	uncultured archaeon	(30)	ANME-2c	GoM-ArcI
HE774524	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774525	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774526	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774527	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774528	uncultured archaeon	(30)	ANME-2c	ANME-2c
HE774529	uncultured archaeon	(30)	ANME-2c Sonora	ANME-2c Sonora
HE774530	uncultured archaeon	(30)	ANME-2c Sonora	ANME-2c Sonora
HE774531	uncultured archaeon	(30)	ANME-2c Sonora	ANME-2c Sonora
HE774532	uncultured archaeon	(30)	ANME-2a	ANME-2ab
HE774533	uncultured archaeon	(30)	ANME-2a	ANME-2ab
HE774534	uncultured archaeon	(30)	ANME-2a	ANME-2ab
HE774535	uncultured archaeon	(30)	ANME-2a	ANME-2ab
HE774536	uncultured archaeon	(30)	ANME-2	ANME-2ab
HE774537	uncultured archaeon	(30)	ANME-2	ANME-2ab
HE774538	uncultured archaeon	(30)	ANME-2	ANME-2ab
HE774539	uncultured archaeon	(30)	Methanosarcinales	GoM-ArcI
HE774540	uncultured archaeon	(30)	Methanosarcinales	GoM-ArcI
HE774541	uncultured archaeon	(30)	Methanosarcinales	ANME-2
HE774542	uncultured archaeon	(30)	Methanosarcinales	ANME-2
HE774543	uncultured archaeon	(30)	Methanosarcinales	Methanosarcinales
HE774544	uncultured archaeon	(30)	ANME-3	ANME-3
HE774545	uncultured archaeon	(30)	ANME-3	ANME-3
HE774546	uncultured archaeon	(30)	ANME-3	ANME-3
HE774547	uncultured archaeon	(30)	ANME-3	ANME-3
HE774548	uncultured archaeon	(30)	ANME-1b	ANME-1
HE774549	uncultured archaeon	(30)	ANME-1b	ANME-1
HE774550	uncultured archaeon	(30)	ANME-1b	ANME-1
HE774551	uncultured archaeon	(30)	ANME-1b	ANME-1
HE774552	uncultured archaeon	(30)	ANME-1b	ANME-1
HE774553	uncultured archaeon	(30)	MBG-D	MBG-D
HE774554	uncultured archaeon	(30)	MBG-D	MBG-D
HE774555	uncultured archaeon	(30)	MBG-D	MBG-D
HE774556	uncultured archaeon	(30)	MBG-D	MBG-D
HE774557	uncultured archaeon	(30)	MBG-D	MBG-D
HE774558	uncultured archaeon	(30)	MBG-D	MBG-D
HE774559	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774560	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774561	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774562	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774563	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774564	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774565	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774566	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774567	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774568	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774569	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774570	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774571	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774572	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774573	uncultured archaeon	(30)	TMEG	Thermoplasmatales
HE774574	uncultured archaeon	(30)	MG-II	MG-II
HE774575	uncultured archaeon	(30)	Euryarchaeota	Peru Basin Group
HE774576	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774577	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774578	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774579	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774580	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774581	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774582	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774583	uncultured archaeon	(30)	DHVE-8	DHVE-8
HE774584	uncultured archaeon	(30)	RC-V	RC-V
HE774585	uncultured archaeon	(30)	RC-V	RC-V
HE774586	uncultured archaeon	(30)	RC-V	RC-V
HE774587	uncultured archaeon	(30)	RC-V	RC-V
HE774588	uncultured archaeon	(30)	MBG-E	MBG-E
HE774589	uncultured archaeon	(30)	MBG-E	MBG-E
HE774590	uncultured archaeon	(30)	MBG-E	MBG-E
HE774591	uncultured archaeon	(30)	MBG-B / DSAG	MBG-B
HE774592	uncultured archaeon	(30)	MBG-B / DSAG	MBG-B
HE774593	uncultured archaeon	(30)	MBG-B / DSAG	MBG-B
HE774594	uncultured archaeon	(30)	MG-I	MG-I
HE774595	uncultured archaeon	(30)	MG-I	MG-I
HE774596	uncultured archaeon	(30)	MG-I	MG-I
HE774598	uncultured archaeon	(30)	MCG	MCG-6
HE774599	uncultured archaeon	(30)	MCG	MCG-6
HE774600	uncultured archaeon	(30)	MCG	MCG
HE774601	uncultured archaeon	(30)	MBG-A	MBG-A
HE774602	uncultured archaeon	(30)	MBG-A	MBG-A
HE774603	uncultured archaeon	(30)	MBG-A	MBG-A
HM601365	uncultured archaeon	(30)	MBG-B / DSAG	MBG-B
HQ588672	uncultured archaeon	(30)	Methanosarcinales	ANME-2
HQ588675	uncultured archaeon	(30)	Methanosarcinales	GoM-ArcI
HQ588686	uncultured archaeon	(30)	ANME-2c	ANME-2c
JF268337	uncultured archaeon	(30)	ANME-3	ANME-3
JF268339	uncultured archaeon	(30)	ANME-2a	ANME-2ab
AF119124	uncultured archaeon CRA113-11cm	(30)	MBG-E	MBG-E
AY800215	uncultured crenarchaeote	(30)	MBG-A	MBG-A
DQ417477	uncultured euryarchaeote	(30)	RC-V	RC-V
EF069336	uncultured euryarchaeote	(30)	TMEG	Thermoplasmatales

EU731049	uncultured euryarchaeote	(30)	RC-V	RC-V
AY211687	uncultured Methanosarcinales archaeon	(30)	ANME-2a	ANME-2ab
FN553721	uncultured sediment archaeon	(30)	Euryarchaeota	Peru Basin Group
HQ003701	uncultured Thermoplasmata archaeon	(30)	TMEG	Thermoplasmatales
EU239960	Candidatus <i>Nitrosocaldus yellowstonii</i>	/	/	Thaumarchaeota
GU797786	Candidatus <i>Nitrososphaera gargensis</i>	/	/	Thaumarchaeota
U51469	<i>Cenarchaeum symbiosum</i>	/	/	Cenarchaeum
AJ318041	<i>Nanoarchaeum equitans</i>	/	/	Euryarchaeota
JQ346765	<i>Nitrosopumilus maritimus</i> SCM1	/	/	Nitrosopumilus
FR773157	<i>Nitrososphaera viennensis</i> EN76	/	/	Thaumarchaeota

	Extraction	μg of DNA / g of sediment		260/280		260/230	
		Extraction replicates	Averages	Extraction replicates	Averages	Extraction replicates	Averages
1758 CT8 S _{C1} Cold seeps, surface layer <i>Grey mat</i>	Zhou	103.35	101.68	1.89	1.87	1.37	1.36
		102.06		1.85		1.29	
		99.62		1.88		1.43	
	Kit	28.49	27.42	1.66	1.63	0.61	0.56
		29.17		1.55		0.59	
		25.68		1.65		0.49	
		26.33		1.65		0.53	
1758 CT8 S _{O6} Cold seeps, bottom layer <i>Grey mat</i>	Zhou	16.82	17.67	1.58	1.57	0.93	0.90
		13.56		1.6		0.95	
		22.65		1.52		0.83	
	Kit	20.44	20.98	2.54	2.31	0.47	0.44
		16.13		2.38		0.31	
		27.14		1.77		0.53	
		20.19		2.56		0.43	
1766 CT3 S _{H1} Hydrothermal vents, surface layer <i>White mat</i>	Zhou	33.74	39.50	1.91	1.90	1.31	1.30
		52.62		1.88		1.26	
		32.14		1.92		1.34	
	Kit	35.14	35.04	2.14	2.26	0.35	0.50
		54.82		2.29		0.57	
		33.48		2.36		0.56	
		16.72		2.24		0.5	

Table S3: Quantity and quality of extracted DNA (for each extraction replicates and averaged between extraction replicates) evaluated by optical density using a Nanodrop spectrophotometer.

Sample	Extraction	Number of reads before filtering				% of remaining sequences after filtering				Chimera proportion				Proportion of sequences from other kingdoms			
		Bacteria		Archaea		Bacteria		Archaea		Bacteria		Archaea		Bacteria		Archaea	
		Bact1	Bact2	Arch1	Arch2	Bact1	Bact2	Arch1	Arch2	Bact1	Bact2	Arch1	Arch2	Bact1	Bact2	Arch1	Arch2
1758 CT3 S ₀₁ Cold seeps surface layer Grey.mat	Zhou	2226	8631	2343	4615	79.38%	66.06%	56.68%	67.93%	0.09%	0.30%	0.17%	1.19%	0.22%	0.00%	3.37%	2.73%
	Kit	3048	7472	2397	4461	82.64%	67.34%	55.86%	66.06%	0.00%	0.12%	0.67%	1.10%	1.05%	0.00%	7.63%	2.82%
1758 CT3 S ₀₃ Cold seeps bottom layer Grey.mat	Zhou	2522	9662	3264	4661	66.26%	73.39%	68.38%	70.29%	0.00%	0.28%	0.61%	0.47%	3.41%	0.00%	3.95%	0.11%
	Kit	2606	10672	2302	4533	58.33%	69.77%	54.69%	68.59%	0.00%	0.38%	0.22%	1.54%	2.88%	0.00%	3.91%	0.13%
1766 CT3 S ₁₁ Hydrothermal vents surface layer White.mat	Zhou - Replicate 1	2791	11461	2068	4268	74.88%	67.93%	66.97%	64.81%	0.14%	0.15%	1.02%	4.38%	3.91%	0.00%	0.19%	1.03%
	Kit - Replicate 1	3145	10879	2765	3968	69.83%	66.40%	57.07%	60.26%	0.03%	0.20%	0.47%	4.64%	5.47%	0.00%	0.22%	0.66%
	Zhou - Replicate 2	2735	10992	2575	4110	65.23%	65.62%	51.22%	62.51%	0.33%	0.19%	0.66%	4.77%	1.10%	0.00%	0.31%	0.97%
	Kit - Replicate 2	4143	12572	3771	4302	71.59%	65.13%	51.87%	64.71%	0.17%	0.29%	0.29%	3.72%	4.30%	0.00%	0.29%	1.14%

Table S4: Numbers of reads before (total 161960 reads) and after filtering (total 107567 reads) for all samples according to primer set and DNA extraction method used. Proportion of detected chimera and sequences amplified from other kingdoms.

BACTERIA Yue & Clayton		1758 CT8 SC ₁ Cold seeps surface layer day mat		1758 CT8 SC ₂ Cold seeps bottom layer day mat		1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat		
		Zhou	Kt	Zhou	Kt	Zhou Replicate 1	Kt Replicate 1	Zhou Replicate 2
		1758 CT8 SC ₁ Cold seeps surface layer day mat	Kt	0.129 0.063				
1758 CT8 SC ₂ Cold seeps bottom layer day mat	Zhou	0.726	0.624 0.081					
	Kt	0.630	0.748 0.732	0.371 0.706	0.058			
1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat	Zhou Replicate 1	0.923	0.914 0.723	0.932 0.695	0.306 0.301			
	Kt Replicate 1	0.953	0.946 0.772	0.910 0.752	0.867 0.336	0.152 0.024		
	Zhou Replicate 2	0.929	0.924 0.777	0.894 0.759	0.875 0.344	0.160 0.029	0.125 0.003	
	Kt Replicate 2	0.888	0.887 0.746	0.855 0.721	0.824 0.359	0.119 0.014	0.127 0.006	0.144 0.033

ARCHAEA Yue & Clayton		1758 CT8 SC ₁ Cold seeps surface layer day mat		1758 CT8 SC ₂ Cold seeps bottom layer day mat		1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat		
		Zhou	Kt	Zhou	Kt	Zhou Replicate 1	Kt Replicate 1	Zhou Replicate 2
		1758 CT8 SC ₁ Cold seeps surface layer day mat	Kt	0.919 0.004				
1758 CT8 SC ₂ Cold seeps bottom layer day mat	Zhou	0.731	0.762 0.980					
	Kt	0.677	0.714 0.975	0.058 0.003				
1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat	Zhou Replicate 1	0.155	0.204 0.723	0.696 0.733	0.621 0.285			
	Kt Replicate 1	0.088	0.939 0.775	0.952 0.782	0.958 0.223	0.759 0.092		
	Zhou Replicate 2	0.364	0.418 0.839	0.618 0.644	0.500 0.136	0.086 0.051	0.872 0.019	
	Kt Replicate 2	0.977	0.977 0.825	0.965 0.630	0.974 0.212	0.804 0.034	0.008 0.009	0.713 0.007

BACTERIA Bray-Curtis		1758 CT8 SC ₁ Cold seeps surface layer day mat		1758 CT8 SC ₂ Cold seeps bottom layer day mat		1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat		
		Zhou	Kt	Zhou	Kt	Zhou Replicate 1	Kt Replicate 1	Zhou Replicate 2
		1758 CT8 SC ₁ Cold seeps surface layer day mat	Kt	0.239 0.111				
1758 CT8 SC ₂ Cold seeps bottom layer day mat	Zhou	0.673	0.663 0.569					
	Kt	0.670	0.613 0.597	0.451 0.585	0.122			
1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat	Zhou Replicate 1	0.863	0.850 0.869	0.824 0.616	0.819 0.426			
	Kt Replicate 1	0.855	0.866 0.662	0.813 0.687	0.810 0.433	0.300 0.122		
	Zhou Replicate 2	0.855	0.847 0.659	0.796 0.663	0.788 0.432	0.306 0.129	0.333 0.075	
	Kt Replicate 2	0.813	0.820 0.619	0.763 0.621	0.752 0.441	0.354 0.085	0.300 0.090	0.369 0.103

ARCHAEA Bray-Curtis		1758 CT8 SC ₁ Cold seeps surface layer day mat		1758 CT8 SC ₂ Cold seeps bottom layer day mat		1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat		
		Zhou	Kt	Zhou	Kt	Zhou Replicate 1	Kt Replicate 1	Zhou Replicate 2
		1758 CT8 SC ₁ Cold seeps surface layer day mat	Kt	0.139 0.077				
1758 CT8 SC ₂ Cold seeps bottom layer day mat	Zhou	0.741	0.748 0.665					
	Kt	0.718	0.733 0.695	0.254 0.063				
1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat	Zhou Replicate 1	0.477	0.477 0.700	0.696 0.710	0.600 0.446	0.427		
	Kt Replicate 1	0.903	0.899 0.748	0.829 0.467	0.836 0.391	0.507 0.189		
	Zhou Replicate 2	0.602	0.601 0.797	0.663 0.803	0.668 0.341	0.232 0.024	0.543 0.150	
	Kt Replicate 2	0.957	0.955 0.795	0.881 0.798	0.870 0.398	0.607 0.211	0.130 0.143	0.560 0.131

BACTERIA Morisita-Horn		1758 CT8 SC ₁ Cold seeps surface layer day mat		1758 CT8 SC ₂ Cold seeps bottom layer day mat		1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat		
		Zhou	Kt	Zhou	Kt	Zhou Replicate 1	Kt Replicate 1	Zhou Replicate 2
		1758 CT8 SC ₁ Cold seeps surface layer day mat	Kt	0.089 0.012				
1758 CT8 SC ₂ Cold seeps bottom layer day mat	Zhou	0.370	0.463 0.517					
	Kt	0.710	0.595 0.577	0.228 0.546	0.009			
1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat	Zhou Replicate 1	0.857	0.842 0.596	0.805 0.532	0.752 0.177			
	Kt Replicate 1	0.910	0.868 0.828	0.835 0.603	0.765 0.202	0.071 0.092		
	Zhou Replicate 2	0.867	0.859 0.635	0.808 0.607	0.778 0.209	0.087 0.035	0.067 0.001	
	Kt Replicate 2	0.815	0.707 0.595	0.746 0.564	0.700 0.211	0.064 0.007	0.008 0.005	0.077 0.005

ARCHAEA Morisita-Horn		1758 CT8 SC ₁ Cold seeps surface layer day mat		1758 CT8 SC ₂ Cold seeps bottom layer day mat		1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat		
		Zhou	Kt	Zhou	Kt	Zhou Replicate 1	Kt Replicate 1	Zhou Replicate 2
		1758 CT8 SC ₁ Cold seeps surface layer day mat	Kt	0.070 0.002				
1758 CT8 SC ₂ Cold seeps bottom layer day mat	Zhou	0.576	0.616 0.991					
	Kt	0.512	0.555 0.942	0.060 0.944	0.001			
1766 CT3 S ₄₁ Hydrothermal vents surface layer White mat	Zhou Replicate 1	0.084	0.113 0.596	0.500 0.579	0.450 0.188	0.188		
	Kt Replicate 1	0.884	0.885 0.632	0.906 0.642	0.919 0.148	0.612 0.115	0.006	
	Zhou Replicate 2	0.222	0.263 0.712	0.447 0.729	0.419 0.073	0.045 0.028	0.506 0.009	
	Kt Replicate 2	0.955	0.956 0.702	0.983 0.710	0.950 0.119	0.873 0.017	0.004 0.005	0.554 0.004

Table S5: Yue & Clayton, Bray-Curtis and Morisita-Horn indexes for *Bacteria* (Bact1 / Bact2 regions) and *Archaea* (Arch1 / Arch2 regions) according to OTU composition between samples, replicates, extraction methods and amplified regions at level of dissimilarity of 10%. These indexes are scored on a scale of 0 to 1, where 0 represents identity between samples and 1 represents complete dissimilarity. Dark cells indicate same sample comparisons.

References (Supplemental material)

1. **Cambon-Bonavita MA, Nadalig T, Roussel E, Delage E, Duperron S, Caprais JC, Boetius A, Sibuet M.** 2009. Diversity and distribution of methane-oxidizing microbial communities associated with different faunal assemblages in a giant pockmark of the Gabon continental margin. *Deep-Sea Res Pt II* **56**:2248-2258.
2. **Dhillon A, Teske A, Dillon J, Stahl DA, Sogin ML.** 2003. Molecular characterization of sulfate-reducing bacteria in the Guaymas Basin. *Applied and environmental microbiology* **69**:2765-2772.
3. **Lloyd KG, Lapham L, Teske A.** 2006. An Anaerobic Methane-Oxidizing Community of ANME-1b Archaea in Hypersaline Gulf of Mexico Sediments. *Applied and environmental microbiology* **72**:7218-7230.
4. **Lloyd KG, Albert DB, Biddle JF, Chanton JP, Pizarro O, Teske A.** 2010. Spatial structure and activity of sedimentary microbial communities underlying a Beggiatoa spp. mat in a Gulf of Mexico hydrocarbon seep. *PLoS One* **5**:e8738.
5. **Pachiadaki MG, Lykousis V, Stefanou EG, Kormas KA.** 2010. Prokaryotic community structure and diversity in the sediments of an active submarine mud volcano (Kazan mud volcano, East Mediterranean Sea). *FEMS microbiology ecology* **72**:429-444.
6. **Schreiber L, Holler T, Knittel K, Meyerdierks A, Amann R.** 2010. Identification of the dominant sulfate-reducing bacterial partner of anaerobic methanotrophs of the ANME-2 clade. *Environmental microbiology* **12**:2327-2340.
7. **Teske A, Hinrichs KU, Edgcomb V, Gomez AD, Kysela D, Sylva SP, Sogin ML, Jannasch HW.** 2002. Microbial diversity of hydrothermal sediments in the Guaymas Basin: Evidence for anaerobic methanotrophic communities. *Applied and environmental microbiology* **68**:1994-2007.
8. **Webster G, Parkes RJ, Fry JC, Weightman AJ.** 2004. Widespread occurrence of a novel division of bacteria identified by 16S rRNA gene sequences originally found in deep marine Sediments. *Applied and environmental microbiology* **70**:5708-5713.
9. **Dojka MA, Hugenholtz P, Haack SK, Pace NR.** 1998. Microbial diversity in a hydrocarbon- and chlorinated-solvent-contaminated aquifer undergoing intrinsic bioremediation. *Applied and environmental microbiology* **64**:3869-3877.
10. **Harris JK, Kelley ST, Pace NR.** 2004. New perspective on uncultured bacterial phylogenetic division OP11. *Applied and environmental microbiology* **70**:845-849.
11. **Knittel K, Boetius A, Lemke A, Eilers H, Lochte K, Pfannkuche O, Linke P, Amann R.** 2003. Activity, distribution, and diversity of sulfate reducers and other bacteria in sediments above gas hydrate (Cascadia margin, Oregon). *Geomicrobiol J* **20**:269-294.
12. **Vigneron A, Cruaud P, Pignet P, Caprais J-C, Gayet N, Cambon-Bonavita M-A, Godfroy A, Toffin L.** 2014. Bacterial communities and syntrophic associations involved in anaerobic oxidation of methane process of the Sonora Margin cold seeps, Guaymas Basin. *Environmental microbiology*:n/a-n/a.
13. **Webster G, John Parkes R, Cragg BA, Newberry CJ, Weightman AJ, Fry JC.** 2006. Prokaryotic community composition and biogeochemical processes in deep subseafloor sediments from the Peru Margin. *FEMS microbiology ecology* **58**:65-85.
14. **Durand L, Roumagnac M, Cuffe-Gauchard V, Jan C, Guri M, Tessier C, Haond M, Crassous P, Zbinden M, Arnaud-Haond S, Cambon Bonavita M-A.** *in prep.* Biogeographical distribution of *Rimicaris exoculata* epibiont communities along the Mid-Atlantic Ridge hydrothermal vent sites.
15. **Emerson D, Rentz JA, Lilburn TG, Davis RE, Aldrich H, Chan C, Moyer CL.** 2007. A Novel Lineage of Proteobacteria Involved in Formation of Marine Fe-Oxidizing Microbial Mat Communities. *PLoS ONE* **2**:e667.

16. **Harrison BK, Zhang H, Berelson W, Orphan VJ.** 2009. Variations in archaeal and bacterial diversity associated with the sulfate-methane transition zone in continental margin sediments (Santa Barbara Basin, California). *Applied and environmental microbiology* **75**:1487-1499.
17. **Hugenholtz P, Goebel BM, Pace NR.** 1998. Impact of culture-independent studies on the emerging phylogenetic view of bacterial diversity. *J Bacteriol* **180**:4765-4774.
18. **Inagaki F, Suzuki M, Takai K, Oida H, Sakamoto T, Aoki K, Neilson KH, Horikoshi K.** 2003. Microbial communities associated with geological horizons in coastal subseafloor sediments from the Sea of Okhotsk. *Applied and environmental microbiology* **69**:7224-7235.
19. **Ettwig KF, van Alen T, van de Pas-Schoonen KT, Jetten MSM, Strous M.** 2009. Enrichment and Molecular Detection of Denitrifying Methanotrophic Bacteria of the NC10 Phylum. *Applied and environmental microbiology* **75**:3656-3662.
20. **Rappé MS, Giovannoni SJ.** 2003. THE UNCULTURED MICROBIAL MAJORITY. *Annual Review of Microbiology* **57**:369-394.
21. **Biddle JF, Lipp JS, Lever MA, Lloyd KG, Sorensen KB, Anderson R, Fredricks HF, Elvert M, Kelly TJ, Schrag DP, Sogin ML, Brenchley JE, Teske A, House CH, Hinrichs KU.** 2006. Heterotrophic Archaea dominate sedimentary subsurface ecosystems off Peru. *Proceedings of the National Academy of Sciences of the United States of America* **103**:3846-3851.
22. **Biddle JF, Cardman Z, Mendlovitz H, Albert DB, Lloyd KG, Boetius A, Teske A.** 2012. Anaerobic oxidation of methane at different temperature regimes in Guaymas Basin hydrothermal sediments. *Isme Journal* **6**:1018-1031.
23. **Dang H, Luan XW, Chen R, Zhang X, Guo L, Klotz MG.** 2010. Diversity, abundance and distribution of amoA-encoding archaea in deep-sea methane seep sediments of the Okhotsk Sea. *FEMS microbiology ecology* **72**:370-385.
24. **Dhillon A, Lever M, Lloyd KG, Albert DB, Sogin ML, Teske A.** 2005. Methanogen diversity evidenced by molecular characterization of methyl coenzyme M reductase A (mcrA) genes in hydrothermal sediments of the Guaymas Basin. *Applied and environmental microbiology* **71**:4592-4601.
25. **Kubo K, Lloyd KG, J FB, Amann R, Teske A, Knittel K.** 2012. Archaea of the Miscellaneous Crenarchaeotal Group are abundant, diverse and widespread in marine sediments. *The ISME journal*.
26. **Pachiadaki MG, Kallionaki A, Dahlmann A, De Lange GJ, Kormas KA.** 2011. Diversity and spatial distribution of prokaryotic communities along a sediment vertical profile of a deep-sea mud volcano. *Microb Ecol* **62**:655-668.
27. **Sorensen KB, Teske A.** 2006. Stratified communities of active archaea in deep marine subsurface sediments. *Applied and environmental microbiology* **72**:4596-4603.
28. **Teske A, Sorensen KB.** 2008. Uncultured archaea in deep marine subsurface sediments: have we caught them all? *Isme Journal* **2**:3-18.
29. **Teske A.** 2006. Microbial community composition in deep marine subsurface sediments of ODP Leg 201: sequencing surveys and cultivations. Jørgensen, B.B., D'Hondt, S.L., and Miller, D.J. (Eds.), *Proc. ODP, Sci. Results* **201**.
30. **Vigneron A, Cruaud P, Pignet P, Caprais J-C, Cambon-Bonavita M-A, Godfroy A, Toffin L.** 2013. Archaeal and anaerobic methane oxidizer communities in the Sonora Margin cold seeps, Guaymas Basin (Gulf of California). *The ISME journal*.