Supplementary material

Diversity and Composition of *Posidonia oceanica*-Associated Bacterial and Fungal Communities: Effect of Boat-Induced Mechanical Stress in the Villefranche-sur-Mer Bay (France)

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Supplementary Table S1: seawater physicochemical parameters collected from Bio-ORACLE dataset (v.3.0) for the sampling period and analysed by QGIS (v.3.34.9), including temperature, salinity and pH (**A**); and Seawater (SEAW) and interstitial pore water (POREW) nutrients parameter, including NO_2, NO_3, $Si(OH)_4$, and PO_4 collected at both pristine and impacted site, during the sampling period (**B**). P#=pristine site, I#=impacted site; sample 1=charged with particles, sample 2=filtered water, sample 3=particles.

A)

Villefranche-Sur-Mer Bay	Temperature (°C)	Salinity (ppm)	pH
Max.	26.4	38.2	8.1
Min.	17.1	37.9	7.9
Mean	19.4	38.0	8.0

B)

Villefranche-Sur-Mer Bay	NO_3 (µmol/L)	NO_2 (µmol/L)	$SiOH_4$ (µmol/L)	PO_4 (µmol/L)
POREW_P_1	0.489	0.043	16.92	0.937
POREW_P_2	0.813	0.046	6.790	0.749
POREW_P_3	0.375	0.098	13.59	0.685
POREW_I_1	0.328	0.064	5.180	0.579
POREW_I_2	0.286	0.023	2.891	0.150
POREW_I_3	0.081	0.014	0.081	0.076
SEAW_P	1.180	0.009	5.096	0.025
SEAW_I	2.467	0.003	10.746	0.016

Supplementary Table S2: Raw reads, DADA2 output, and final reads obtained after filtering procedures for bacterial (**A**) and fungal **(B**) sequences by using QIIME 2.

A) Bacteria

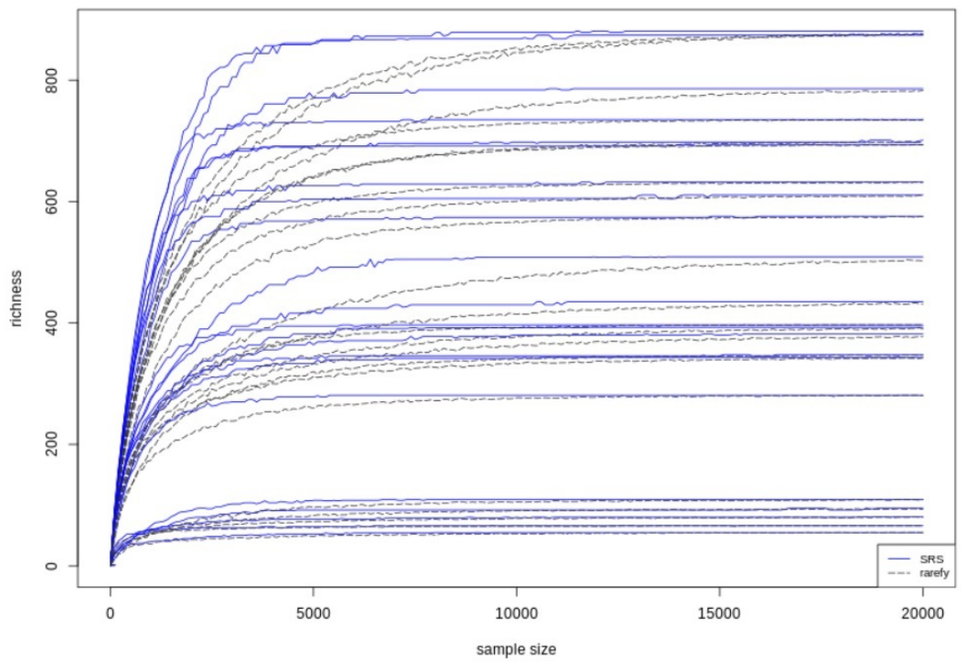
	*Site status**	*Raw data*	*DADA2 output*	*Final output*
Seawater	P	212728	139475	123400
	I	210396	141709	124233
Sediment	P	221132	94333	73999
	I	205128	81103	73252
Leaves	P	122722	72920	36829
	I	140918	91175	30367
Rhizomes-Roots	P	195445	103592	42588
	I	207191	99784	29528

B) Fungi

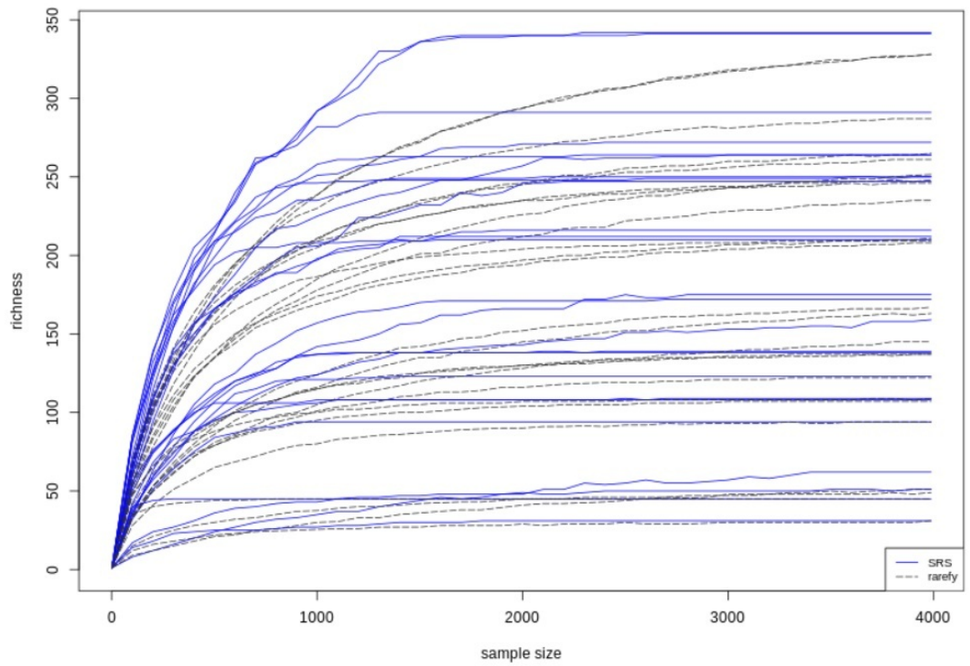
	*Site status**	*Raw data*	*DADA2 output*	*Final output*
Seawater	P	474569	96573	5242
	I	262973	65832	2234
Sediment	P	239576	62670	16475
	I	220498	61537	16527
Leaves	P	299043	44770	7551
	I	518559	219808	23577
Rhizomes-Roots	P	168467	62670	35753
	I	324228	61537	36254

* P = Pristine; I = Impacted

A) Bacteria



B) Fungi



Supplementary Figure S1: SRS rarefaction plots for bacterial and fungal sequences, generated as part of the normalization process (q2-srs). The curves are plotted with a minimum sequences depth (Cmin) of 20,000 for bacteria (**A**) and 4,000 for fungi (**B**).

Supplementary Table S3: OTUs identification. In bold are indicated the bacterial (**A**) or fungal (**B**) OTUs found in the pristine or impacted *P. oceanica* abiotic matrices and plant parts.

* Conf.= confidence. The confidence value refers to the last classified taxonomic level. It ranges from 0 to 1; a value close to 1 suggests the best assignment.

A) Bacteria

OTU Nr	Kingdom	Phylum	Class	Order	Family	Genus	Species	Conf. *
OTU001	Bacteria	Acidobacteriota	Acidobacteriae	*NA*	*NA*	*NA*	*NA*	1.000
OTU002	Bacteria	Proteobacteria	Alphaproteobacteria	*NA*	*NA*	*NA*	*NA*	1.000
OTU003	Bacteria	Firmicutes	Clostridia	*NA*	*NA*	*NA*	*NA*	1.000
OTU004	Bacteria	Chloroflexi	Dehalococcoidia	*NA*	*NA*	*NA*	*NA*	1.000
OTU005	Bacteria	Proteobacteria	Gammaproteobacteria	*NA*	*NA*	*NA*	*NA*	1.000
OTU006	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*NA*	*NA*	1.000
OTU007	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_I	*NA*	*NA*	0.995
OTU008	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	*NA*	*NA*	1.000
OTU009	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Comamonadaceae	*NA*	*NA*	1.000
OTU010	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cyclobacteriaceae	*NA*	*NA*	1.000
OTU011	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfocapsaceae	*NA*	*NA*	1.000
OTU012	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfosarcinaceae	*NA*	*NA*	0.996
OTU013	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Devosiaceae	*NA*	*NA*	1.000
OTU014	Bacteria	Proteobacteria	Gammaproteobacteria	Ectothiorhodospirales	Ectothiorhodospiraceae	*NA*	*NA*	0.705
OTU015	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	*NA*	*NA*	0.979
OTU016	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*NA*	*NA*	1.000
OTU017	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	Geopsychrobacteraceae	*NA*	*NA*	1.000
OTU018	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Halieaceae	*NA*	*NA*	1.000
OTU019	Bacteria	Firmicutes	Clostridia	Oscillospirales	Hungateiclostridiaceae	*NA*	*NA*	1.000
OTU020	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	*NA*	*NA*	1.000
OTU021	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	Kiloniellaceae	*NA*	*NA*	1.000
OTU022	Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	*NA*	*NA*	0.893
OTU023	Bacteria	Actinobacteriota	Acidimicrobiia	Microtrichales	Microtrichaceae	*NA*	*NA*	0.955
OTU024	Bacteria	Myxococcota	Polyangia	Nannocystales	Nannocystaceae	*NA*	*NA*	1.000
OTU025	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Nitrosomonadaceae	*NA*	*NA*	1.000
OTU026	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Nostocaceae	*NA*	*NA*	1.000
OTU027	Bacteria	Firmicutes	Clostridia	Oscillospirales	Oscillospiraceae	*NA*	*NA*	0.998

OTU028	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Pseudoalteromonadaceae	*NA*	*NA*	1.000
OTU029	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	*NA*	*NA*	1.000
OTU030	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*NA*	*NA*	1.000
OTU031	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Sedimenticolaceae	*NA*	*NA*	0.991
OTU032	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	*NA*	*NA*	1.000
OTU033	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Stappiaceae	*NA*	*NA*	0.900
OTU034	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Xanthobacteraceae	*NA*	*NA*	1.000
OTU035	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfocapsaceae	*[Desulfobacterium]_catecholicum_group*	*NA*	0.750
OTU036	Bacteria	Chloroflexi	Dehalococcoidia	661239	661239	*661239*	*Chloroflexi_bacterium*	1.000
OTU037	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	AB1	*AB1*	*NA*	1.000
OTU038	Bacteria	Acetothermia	Acetothermiia	Acetothermiia	Acetothermiia	*Acetothermiia*	*bacterium_enrichment*	0.998
OTU039	Bacteria	Cyanobacteria	Cyanobacteriia	Phormidesmiales	Phormidesmiaceae	*Acrophormium_PCC-7375*	*Leptolyngbya_sp,*	0.996
OTU040	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Actibacter*	*uncultured_Bacteroidetes*	0.909
OTU041	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Actibacterium*	*NA*	0.750
OTU042	Bacteria	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria_Incertae_Sedis	Unknown_Family	*Acuticoccus*	*uncultured_Alphaproteobacteria*	0.861
OTU043	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	AEGEAN-169_marine_group	*AEGEAN-169_marine_group*	*uncultured_marine*	0.935
OTU044	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*Aestuariibacter*	*Aestuariibacter_aggregatus*	0.950
OTU045	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*Aestuariibacter*	*uncultured_bacterium*	0.884
OTU046	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Cellvibrionaceae	*Aestuariicella*	*uncultured_bacterium*	0.992
OTU047	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Cellvibrionaceae	*Agaribacterium*	*uncultured_bacterium*	0.999
OTU048	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Psychromonadaceae	*Agarivorans*	*NA*	1.000
OTU049	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	*Ahrensia*	*uncultured_bacterium*	0.969
OTU050	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Pseudoalteromonadaceae	*Algicola*	*Algicola_sagamiensis*	1.000
OTU051	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*Algimonas*	*uncultured_bacterium*	0.991
OTU052	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Algitalea*	*uncultured_bacterium*	0.808
OTU053	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Aliivibrio*	*Aliivibrio_fischeri*	0.947
OTU054	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcales-Tissierellales	*Alkaliphilus*	*Alkaliphilus_sp,*	0.723
OTU055	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcales-Tissierellales	*Alkaliphilus*	*NA*	1.000
OTU056	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*Alteromonas*	*NA*	0.984
OTU057	Bacteria	Acidobacteriota	Aminicenantia	Aminicenantales	Aminicenantales	*Aminicenantales*	*uncultured_bacterium*	0.852
OTU058	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Nitrincolaceae	*Amphritea*	*uncultured_bacterium*	0.893
OTU059	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcales-Tissierellales	*Anaeromicrobium*	*Marinisporobacter_balticus*	0.941
OTU060	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Thermotaleaceae	*Anaerosolibacter*	*bacterium_enrichment*	0.704

OTU061	Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	*Anaerostignum*	*uncultured_bacterium*	0.717
OTU062	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiales_Incertae_Sedis	*Anderseniella*	*uncultured_bacterium*	0.983
OTU063	Bacteria	Proteobacteria	Gammaproteobacteria	Nitrosococcales	Nitrosococcaceae	*AqS1*	*uncultured_bacterium*	0.924
OTU064	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Comamonadaceae	*Aquabacterium*	*NA*	0.998
OTU065	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Aquibacter*	*uncultured_bacterium*	0.744
OTU066	Bacteria	Campylobacterota	Campylobacteria	Campylobacterales	Arcobacteraceae	*Arcobacter*	*NA*	0.932
OTU067	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Arcticiflavibacter*	*uncultured_Bacteroidetes*	0.954
OTU068	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Arenibacter*	*NA*	1.000
OTU069	Bacteria	Proteobacteria	Gammaproteobacteria	Arenicellales	Arenicellaceae	*Arenicella*	*uncultured_bacterium*	0.876
OTU070	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Ascidiaceihabitans*	*uncultured_bacterium*	0.805
OTU071	Bacteria	Proteobacteria	Gammaproteobacteria	AT-s16	AT-s16	*AT-s16*	*uncultured_bacterium*	1.000
OTU072	Bacteria	Proteobacteria	Gammaproteobacteria	AT-s2-59	AT-s2-59	*AT-s2-59*	*uncultured_bacterium*	0.909
OTU073	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Aurantivirga*	*NA*	0.846
OTU074	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Aureicoccus*	*Aureicoccus_marinus*	1.000
OTU075	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Aureisphaera*	*uncultured_Bacteroidetes*	0.973
OTU076	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Saprospiraceae	*Aureispira*	*uncultured_bacterium*	1.000
OTU077	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Aureitalea*	*Aureitalea_marina*	0.877
OTU078	Bacteria	Proteobacteria	Gammaproteobacteria	B2M28	B2M28	*B2M28*	*uncultured_gamma*	0.996
OTU079	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	*Bacillus*	*NA*	0.999
OTU080	Bacteria	Firmicutes	Bacilli	Bacillales	Bacillaceae	*Bacillus*	*Bacillus_algicola*	0.963
OTU081	Bacteria	Myxococcota	bacteriap25	bacteriap25	bacteriap25	*bacteriap25*	*uncultured_microorganism*	0.958
OTU082	Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Bacteroidetes_BD2-2	*Bacteroidetes_BD2-2*	*uncultured_Bacteroidetes*	0.955
OTU083	Bacteria	Bacteroidota	Bacteroidia	Bacteroidetes_VC2,1_Bac22	Bacteroidetes_VC2,1_Bac22	*Bacteroidetes_VC2,1_Bac22*	*uncultured_Bacteroidetes*	0.998
OTU084	Bacteria	Bacteroidota	Rhodothermia	Balneolales	Balneolaceae	*Balneola*	*uncultured_bacterium*	0.962
OTU085	Archaea	Crenarchaeota	Bathyarchaeia	Bathyarchaeia	Bathyarchaeia	*Bathyarchaeia*	*uncultured_archaeon*	0.995
OTU086	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiales_Incertae_Sedis	*Bauldia*	*NA*	1.000
OTU087	Bacteria	Fibrobacterota	Fibrobacteria	Fibrobacterales	Fibrobacterales	*BBMC-4*	*uncultured_bacterium*	0.910
OTU088	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Spongiibacteraceae	*BD1-7_clade*	*uncultured_gamma*	0.998
OTU089	Bacteria	Gemmatimonadota	BD2-11_terrestrial_group	BD2-11_terrestrial_group	BD2-11_terrestrial_group	*BD2-11_terrestrial_group*	*uncultured_marine*	0.877
OTU090	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	BD2-7	*BD2-7*	*uncultured_bacterium*	1.000
OTU091	Bacteria	Proteobacteria	Gammaproteobacteria	BD7-8	BD7-8	*BD7-8*	*uncultured_bacterium*	0.984
OTU092	Bacteria	Bdellovibrionota	Bdellovibrionia	Bdellovibrionales	Bdellovibrionaceae	*Bdellovibrio*	*uncultured_marine*	0.988
OTU093	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Saccharospirillaceae	*Bermanella*	*Bermanella_sp,*	0.999

OTU094	Bacteria	Acidobacteriota	Blastocatellia	Blastocatellales	Blastocatellaceae	*Blastocatella*	*uncultured_bacterium*	0.995
OTU095	Bacteria	Planctomycetota	Planctomycetes	Pirellulales	Pirellulaceae	*Blastopirellula*	*uncultured_bacterium*	0.977
OTU096	Bacteria	Desulfobacterota	Desulfuromonadia	Bradymonadales	Bradymonadales	*Bradymonadales*	*uncultured_delta*	0.991
OTU097	Bacteria	Bacteroidota	Kryptonia	Kryptoniales	BSV26	*BSV26*	*uncultured_bacterium*	0.955
OTU098	Bacteria	Planctomycetota	Planctomycetes	Pirellulales	Pirellulaceae	*Bythopirellula*	*uncultured_bacterium*	1.000
OTU099	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Porticoccaceae	*C1-B045*	*uncultured_bacterium*	1.000
OTU100	Bacteria	Cyanobacteria	Vampirivibrionia	Caenarcaniphilales	Caenarcaniphilales	*Caenarcaniphilales*	*uncultured_bacterium*	0.997
OTU101	Bacteria	Calditrichota	Calditrichia	Calditrichales	Calditrichaceae	*Calditrix*	*uncultured_Deferribacteres*	1.000
OTU102	Bacteria	Calditrichota	Calditrichia	Calditrichales	Calditrichaceae	*Calditrichaceae*	*uncultured_Deferribacteres*	0.999
OTU103	Bacteria	Calditrichota	Calditrichia	Calditrichales	Calditrichaceae	*Calorithrix*	*uncultured_bacterium*	0.996
OTU104	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Caminicellaceae	*Caminicella*	*uncultured_bacterium*	0.985
OTU105	Bacteria	Actinobacteriota	Acidimicrobiia	Actinomarinales	Actinomarinaceae	*Candidatus_Actinomarina*	*NA*	1.000
OTU106	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfobulbaceae	*Candidatus_Electrothrix*	*Candidatus_Electrothrix*	0.976
OTU107	Bacteria	Proteobacteria	Gammaproteobacteria	Piscirickettsiales	Piscirickettsiaceae	*Candidatus_Endoecteinascidia*	*uncultured_bacterium*	0.775
OTU108	Bacteria	Entotheonellaeota	Entotheonellia	Entotheonellales	Entotheonellaceae	*Candidatus_Entotheonella*	*uncultured_Candidatus*	0.929
OTU109	Bacteria	Patescibacteria	Parcubacteria	Candidatus_Kaiserbacteria	Candidatus_Kaiserbacteria	*Candidatus_Kaiserbacteria*	*uncultured_organism*	0.994
OTU110	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Rickettsiaceae	*Candidatus_Megaira*	*uncultured_bacterium*	0.984
OTU111	Archaea	Crenarchaeota	Nitrososphaeria	Nitrosopumilales	Nitrosopumilaceae	*Candidatus_Nitrosopumilus*	*NA*	0.999
OTU112	Bacteria	Patescibacteria	Gracilibacteria	Candidatus_Peregrinibacteria	Candidatus_Peregrinibacteria	*Candidatus_Peregrinibacteria*	*uncultured_bacterium*	0.995
OTU113	Bacteria	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	*Candidatus_Puniceispirillum*	*uncultured_bacterium*	0.865
OTU114	Bacteria	Proteobacteria	Gammaproteobacteria	Tenderiales	Tenderiaceae	*Candidatus_Tenderia*	*uncultured_bacterium*	0.997
OTU115	Bacteria	Proteobacteria	Gammaproteobacteria	Tenderiales	Tenderiaceae	*Candidatus_Tenderia*	*Candidatus_Tenderia*	0.994
OTU116	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Chromatiaceae	*Candidatus_Thiobios*	*uncultured_gamma*	0.992
OTU117	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Sedimenticolaceae	*Candidatus_Thiodiazotropha*	*uncultured_bacterium*	0.923
OTU118	Bacteria	Proteobacteria	Gammaproteobacteria	Arenicellales	Arenicellaceae	*Candidatus_Thiosymbion*	*gamma_proteobacterium*	0.840
OTU119	Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Marinilabiliaceae	*Carboxylicivirga*	*Carboxylicivirga_flava*	0.886
OTU120	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	*Caulobacter*	*NA*	0.999
OTU121	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*Cerasicoccus*	*Cerasicoccus_frondis*	0.848
OTU122	Bacteria	Firmicutes	Clostridia	Christensenellales	Christensenellaceae	*Christensenellaceae_R-7_group*	*uncultured_microorganism*	1.000
OTU123	Bacteria	Proteobacteria	Gammaproteobacteria	Nitrosococcales	Nitrosococcaceae	*CI75cm,2,12*	*uncultured_bacterium*	1.000
OTU124	Bacteria	CK-2C2-2	CK-2C2-2	CK-2C2-2	CK-2C2-2	*CK-2C2-2*	*uncultured_bacterium*	1.000
OTU125	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_I	*Clade_Ia*	*NA*	0.939
OTU126	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_I	*Clade_Ib*	*NA*	0.998

OTU127	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_II	*Clade_II*	*NA*	0.979
OTU128	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_III	*Clade_III*	*uncultured_bacterium*	0.726
OTU129	Bacteria	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_IV	*Clade_IV*	*NA*	1.000
OTU130	Bacteria	Firmicutes	Clostridia	Clostridia_vadinBB60_group	Clostridia_vadinBB60_group	*Clostridia_vadinBB60_group*	*uncultured_bacterium*	0.995
OTU131	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcales-Tissierellales	*Clostridiisalibacter*	*uncultured_bacterium*	0.912
OTU132	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	*Clostridium_sensu_stricto_13*	*NA*	1.000
OTU133	Bacteria	Firmicutes	Clostridia	Clostridiales	Clostridiaceae	*Clostridium_sensu_stricto_7*	*Clostridium_sp,*	0.992
OTU134	Bacteria	Proteobacteria	Gammaproteobacteria	Nitrosococcales	Nitrosococcaceae	*Cm1-21*	*NA*	1.000
OTU135	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Cognatishimia*	*uncultured_bacterium*	0.899
OTU136	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	*Cohaesibacter*	*Cohaesibacter_sp,*	0.929
OTU137	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Colwelliaceae	*Colwellia*	*NA*	0.982
OTU138	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*Coraliomargarita*	*uncultured_Verrucomicrobia*	0.700
OTU139	Bacteria	Proteobacteria	Gammaproteobacteria	Coxiellales	Coxiellaceae	*Coxiella*	*uncultured_bacterium*	0.997
OTU140	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Thermotaleaceae	*Crassaminicella*	*uncultured_Firmicutes*	0.945
OTU141	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Croceitalea*	*NA*	1.000
OTU142	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Crocinitomicaceae	*Crocinitomix*	*uncultured_marine*	0.999
OTU143	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Comamonadaceae	*Curvibacter*	*NA*	0.999
OTU144	Bacteria	Cyanobacteria	Cyanobacteriia	Synechococcales	Cyanobiaceae	*Cyanobium_PCC-6307*	*NA*	0.985
OTU145	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Nostocaceae	*Cylindrospermopsis_CRJ1*	*NA*	0.999
OTU146	Bacteria	Dadabacteria	Dadabacteriia	Dadabacteriales	Dadabacteriales	*Dadabacteriales*	*uncultured_organism*	0.998
OTU147	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiales	Rubritaleaceae	*DBS1*	*uncultured_bacterium*	1.000
OTU148	Bacteria	Proteobacteria	Alphaproteobacteria	Defluviicoccales	Defluviicoccaceae	*Defluviicoccus*	*uncultured_Alphaproteobacteria*	0.999
OTU149	Bacteria	Firmicutes	Clostridia	Lachnospirales	Defluviitaleaceae	*Defluviitaleaceae_UCG-011*	*uncultured_bacterium*	0.997
OTU150	Bacteria	Chloroflexi	Dehalococcoidia	Dehalococcoidia	Dehalococcoidia	*Dehalococcoidia*	*uncultured_bacterium*	1.000
OTU151	Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Demequinaceae	*Demequina*	*NA*	0.770
OTU152	Bacteria	Desulfobacterota	Desulfobacteria	Desulfatiglandales	Desulfatiglandaceae	*Desulfatiglans*	*uncultured_delta*	0.981
OTU153	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfosarcinaceae	*Desulfatitalea*	*uncultured_Desulfobacteraceae*	0.978
OTU154	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfobulbaceae	*Desulfobulbus*	*NA*	0.997
OTU155	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfolunaceae	*Desulfofrigus*	*uncultured_bacterium*	0.872
OTU156	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfolunaceae	*Desulfoluna*	*Desulfoluna_spongiiphila*	0.919
OTU157	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfocapsaceae	*Desulfopila*	*uncultured_bacterium*	0.963
OTU158	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfocapsaceae	*Desulforhopalus*	*uncultured_delta*	0.996
OTU159	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfosarcinaceae	*Desulfosarcina*	*uncultured_delta*	0.890

OTU160	Bacteria	Desulfobacterota	Desulfovibrionia	Desulfovibrionales	Desulfovibrionaceae	*Desulfovibrio*	*uncultured_Desulfovibrionales*	0.778
OTU161	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	Geopsychrobacteraceae	*Desulfuromusa*	*NA*	0.957
OTU162	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiales	DEV007	*DEV007*	*uncultured_bacterium*	0.960
OTU163	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Dinoroseobacter*	*uncultured_bacterium*	0.981
OTU164	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Dokdonia*	*NA*	1.000
OTU165	Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Prolixibacteraceae	*Draconibacterium*	*uncultured_bacterium*	0.967
OTU166	Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Microbacteriaceae	*DS001*	*marine_metagenome*	0.991
OTU167	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Nitrosomonadaceae	*DSSD61*	*uncultured_bacterium*	0.983
OTU168	Bacteria	DTB120	DTB120	DTB120	DTB120	*DTB120*	*uncultured_bacterium*	1.000
OTU169	Bacteria	Myxococcota	Polyangia	Polyangiales	Eel-36e1D6	*Eel-36e1D6*	*uncultured_organism*	0.978
OTU170	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cyclobacteriaceae	*Ekhidna*	*NA*	1.000
OTU171	Bacteria	Proteobacteria	Gammaproteobacteria	Thiomicrospirales	Thiomicrospiraceae	*endosymbionts*	*uncultured_bacterium*	0.919
OTU172	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria_Incertae_Sedis	Unknown_Family	*Endothiovibrio*	*uncultured_gamma*	1.000
OTU173	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Endozoicomonadaceae	*Endozoicomonas*	*NA*	1.000
OTU174	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	*Enterobacter*	*NA*	0.814
OTU175	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Enterovibrio*	*Enterovibrio_nigricans*	0.953
OTU176	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Epibacterium*	*NA*	0.905
OTU177	Bacteria	Proteobacteria	Gammaproteobacteria	EPR3968-O8a-Bc78	EPR3968-O8a-Bc78	*EPR3968-O8a-Bc78*	*NA*	1.000
OTU178	Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	*Epulopiscium*	*uncultured_Gram-positive*	0.969
OTU179	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	*Erythrobacter*	*NA*	0.944
OTU180	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Eudoraea*	*uncultured_bacterium*	0.779
OTU181	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cyclobacteriaceae	*Fabibacter*	*NA*	1.000
OTU182	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Shewanellaceae	*Ferrimonas*	*Ferrimonas_balearica*	0.992
OTU183	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	*Filomicrobium*	*uncultured_Alphaproteobacteria*	0.953
OTU184	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Crocinitomicaceae	*Fluviicola*	*NA*	1.000
OTU185	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Formosa*	*NA*	1.000
OTU186	Bacteria	Proteobacteria	Gammaproteobacteria	Nitrosococcales	Nitrosococcaceae	*FS142-36B-02*	*uncultured_bacterium*	0.986
OTU187	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cyclobacteriaceae	*Fulvivirga*	*uncultured_Bacteroidetes*	1.000
OTU188	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Fusibacteraceae	*Fusibacter*	*bacterium_WH4-9*	0.917
OTU189	Bacteria	Fusobacteriota	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	*Fusobacterium*	*Fusobacteriaceae_bacterium*	0.998
OTU190	Bacteria	Chloroflexi	Dehalococcoidia	FW22	FW22	*FW22*	*uncultured_bacterium*	0.930
OTU191	Bacteria	Proteobacteria	Gammaproteobacteria	Ga0077536	Ga0077536	*Ga0077536*	*uncultured_bacterium*	0.938
OTU192	Bacteria	Cyanobacteria	Vampirivibrionia	Gastranaerophilales	Gastranaerophilales	*Gastranaerophilales*	*uncultured_organism*	1.000

OTU193	Bacteria	Gemmatimonadota	Gemmatimonadetes	Gemmatimonadales	Gemmatimonadaceae	*Gemmatimonadaceae*	*uncultured_bacterium*	0.994
OTU194	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	Geothermobacteraceae	*Geothermobacter*	*uncultured_Pelobacter*	1.000
OTU195	Bacteria	Chloroflexi	Dehalococcoidia	GIF3	GIF3	*GIF3*	*uncultured_bacterium*	0.999
OTU196	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Gilvibacter*	*Gilvibacter_sediminis*	0.933
OTU197	Bacteria	Planctomycetota	Planctomycetes	Planctomycetales	Gimesiaceae	*Gimesia*	*Gimesia_maris*	0.744
OTU198	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*Glaciecola*	*uncultured_bacterium*	0.822
OTU199	Bacteria	Patescibacteria	Gracilibacteria	Gracilibacteria	Gracilibacteria	*Gracilibacteria*	*uncultured_sediment*	0.882
OTU200	Bacteria	Proteobacteria	Gammaproteobacteria	Granulosicoccales	Granulosicoccaceae	*Granulosicoccus*	*uncultured_bacterium*	0.991
OTU201	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Grimontia*	*NA*	0.997
OTU202	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Gven-F17	*Gven-F17*	*uncultured_bacterium*	1.000
OTU203	Bacteria	Campylobacterota	Campylobacteria	Campylobacterales	Arcobacteraceae	*Halarcobacter*	*NA*	0.993
OTU204	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Halieaceae	*Halioglobus*	*0,925683337*	
OTU205	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Cellvibrionaceae	*Halioxenophilus*	*uncultured_bacterium*	0.768
OTU206	Archaea	Halobacterota	Halobacteria	Halobacterales	Halococcaceae	*Halococcus*	*Halococcus_hamelinensis*	0.930
OTU207	Bacteria	Desulfobacterota	Desulfovibrionia	Desulfovibrionales	Desulfovibrionaceae	*Halodesulfovibrio*	*NA*	1.000
OTU208	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiales	Rubritaleaceae	*Haloferula*	*uncultured_bacterium*	0.997
OTU209	Bacteria	Cyanobacteria	Cyanobacteriia	Phormidesmiales	Nodosilineaceae	*Halomicronema_TFEP1*	*NA*	0.715
OTU210	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Halomonadaceae	*Halomonas*	*NA*	1.000
OTU211	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*Hellea*	*uncultured_Alphaproteobacteria*	0.926
OTU212	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*HIMB11*	*NA*	0.902
OTU213	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*Hirschia*	*Hirschia_maritima*	0.995
OTU214	Bacteria	Proteobacteria	Gammaproteobacteria	HOC36	HOC36	*HOC36*	*uncultured_sediment*	0.992
OTU215	Bacteria	Proteobacteria	Alphaproteobacteria	Holosporales	Holosporaceae	*Holosporaceae*	*uncultured_bacterium*	1.000
OTU216	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Hyphomicrobiaceae	*Hyphomicrobium*	*NA*	0.952
OTU217	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*Hyphomonas*	*NA*	0.998
OTU218	Bacteria	Bacteroidota	Ignavibacteria	Ignavibacteriales	Melioribacteraceae	*IheB3-7*	*uncultured_bacterium*	0.997
OTU219	Bacteria	Actinobacteriota	Acidimicrobiia	Microtrichales	Ilumatobacteraceae	*Ilumatobacter*	*NA*	0.999
OTU220	Bacteria	Actinobacteriota	Acidimicrobiia	Microtrichales	Ilumatobacteraceae	*Ilumatobacter*	*Ilumatobacter_nonamiensis*	0.920
OTU221	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Nitrosomonadaceae	*IS-44*	*NA*	0.862
OTU222	Bacteria	Patescibacteria	Gracilibacteria	JGI_0000069-P22	JGI_0000069-P22	*JGI_0000069-P22*	*uncultured_bacterium*	1.000
OTU223	Bacteria	Proteobacteria	Gammaproteobacteria	Steroidobacterales	Woeseiaceae	*JTB255_marine_benthic_group*	*uncultured_organism*	1.000
OTU224	Bacteria	Bacteroidota	Kapabacteria	Kapabacteriales	Kapabacteriales	*Kapabacteriales*	*uncultured_organism*	0.971
OTU225	Bacteria	Chloroflexi	KD4-96	KD4-96	KD4-96	*KD4-96*	*uncultured_Gram-positive*	0.990

OTU226	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	KI89A_clade	*KI89A_clade*	*uncultured_gamma*	1.000
OTU227	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Enterobacteriaceae	*Klebsiella*	*NA*	0.898
OTU228	Bacteria	Proteobacteria	Alphaproteobacteria	Kordiimonadales	Kordiimonadaceae	*Kordiimonas*	*NA*	1.000
OTU229	Bacteria	Chloroflexi	Anaerolineae	KZNMV-5-B42	KZNMV-5-B42	*KZNMV-5-B42*	*uncultured_organism*	0.999
OTU230	Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Marinilabiliaceae	*Labilibacter*	*NA*	1.000
OTU231	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Stappiaceae	*Labrenzia*	*NA*	0.999
OTU232	Bacteria	Latescibacterota	Latescibacteria	Latescibacterales	Latescibacteraceae	*Latescibacteraceae*	*uncultured_bacterium*	0.930
OTU233	Bacteria	Latescibacterota	Latescibacterota	Latescibacterota	Latescibacterota	*Latescibacterota*	*uncultured_bacterium*	0.901
OTU234	Bacteria	Latescibacterota	Latescibacterota	Latescibacterota	Latescibacterota	*Latescibacterota*	*saltmarsh_clone*	0.917
OTU235	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfosarcinaceae	*LCP-80*	*NA*	1.000
OTU236	Bacteria	LCP-89	LCP-89	LCP-89	LCP-89	*LCP-89*	*uncultured_bacterium*	0.937
OTU237	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	*Lentilitoribacter*	*uncultured_bacterium*	0.986
OTU238	Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	Lentimicrobiaceae	*Lentimicrobiaceae*	*uncultured_bacterium*	0.985
OTU239	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*Lentimonas*	*uncultured_bacterium*	0.997
OTU240	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Saprospiraceae	*Lewinella*	*uncultured_marine*	0.955
OTU241	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	Kiloniellaceae	*Limibacillus*	*uncultured_bacterium*	0.992
OTU242	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Limibaculum*	*NA*	0.999
OTU243	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Burkholderiaceae	*Limnobacter*	*NA*	1.000
OTU244	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Litoricolaceae	*Litoricola*	*NA*	1.000
OTU245	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*Litorimonas*	*NA*	0.991
OTU246	Archaea	Asgardarchaeota	Lokiarchaeia	Lokiarchaeia	Lokiarchaeia	*Lokiarchaeia*	*uncultured_archaeon*	0.988
OTU247	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Halieaceae	*Luminiphilus*	*uncultured_gamma*	0.993
OTU248	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Flammeovirgaceae	*Luteivirga*	*bacterium*	0.984
OTU249	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiales	Rubritaleaceae	*Luteolibacter*	*uncultured_bacterium*	0.999
OTU250	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Lutibacter*	*NA*	0.996
OTU251	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Lutimonas*	*Lutimonas_saemankumensis*	0.781
OTU252	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Phormidiaceae	*Lyngbya_PCC-7419*	*NA*	0.923
OTU253	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Magnetospiraceae	*Magnetospira*	*uncultured_marine*	0.976
OTU254	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Magnetospiraceae	*Magnetospiraceae*	*uncultured_bacterium*	0.997
OTU255	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Magnetospiraceae	*Magnetovibrio*	*uncultured_bacterium*	0.953
OTU256	Bacteria	Campylobacterota	Campylobacteria	Campylobacterales	Arcobacteraceae	*Malaciobacter*	*uncultured_bacterium*	0.953
OTU257	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	Geopsychrobacteraceae	*Malonomonas*	*NA*	0.979
OTU258	Bacteria	Margulisbacteria	Margulisbacteria	Margulisbacteria	Margulisbacteria	*Margulisbacteria*	*uncultured_bacterium*	1.000

OTU259	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Maribacter*	*NA*	1.000
OTU260	Archaea	Thermoplasmatota	Thermoplasmata	Marine_Benthic_Group_D_and_DHVEG-1	Marine_Benthic_Group_D_and_DHVEG-1	*Marine_Benthic_Group_D_and_DHVEG-1*	*uncultured_archaeon*	0.997
OTU261	Archaea	Thermoplasmatota	Thermoplasmata	Marine_Group_II	Marine_Group_II	*Marine_Group_II*	*uncultured_marine*	0.996
OTU262	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Parvularculaceae	*Marinicaulis*	*uncultured_bacterium*	0.996
OTU263	Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	Marinifilaceae	*Marinifilum*	*Marinifilum_sp,*	0.995
OTU264	Bacteria	Marinimicrobia_(SAR406_clade)	Marinimicrobia_(SAR406_clade)	Marinimicrobia_(SAR406_clade)	Marinimicrobia_(SAR406_clade)	*Marinimicrobia_(SAR406_clade)*	*marine_metagenome*	0.977
OTU265	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Nitrincolaceae	*Marinobacterium*	*Marinobacterium_rhizophilum*	0.771
OTU266	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Nitrincolaceae	*Marinobacterium*	*uncultured_Marinobacterium*	0.777
OTU267	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Marinomonadaceae	*Marinomonas*	*Marinomonas_posidonica*	0.988
OTU268	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cyclobacteriaceae	*Marinoscillum*	*uncultured_marine*	0.971
OTU269	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Oxalobacteraceae	*Massilia*	*NA*	1.000
OTU270	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*MB11C04_marine_group*	*uncultured_bacterium*	0.957
OTU271	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	Fokiniaceae	*MD3-55*	*NA*	1.000
OTU272	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Mesoflavibacter*	*Mesoflavibacter_sp,*	0.803
OTU273	Archaea	Halobacterota	Methanosarcinia	Methanosarciniales	Methanosarcinaceae	*Methanococcoides*	*NA*	1.000
OTU274	Archaea	Halobacterota	Methanosarcinia	Methanosarciniales	Methanosarcinaceae	*Methanolobus*	*NA*	0.998
OTU275	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Methyloligellaceae	*Methyloceanibacter*	*uncultured_bacterium*	0.996
OTU276	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Methylophilaceae	*Methylotenera*	*uncultured_beta*	0.979
OTU277	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Microbulbiferaceae	*Microbulbifer*	*NA*	1.000
OTU278	Bacteria	Myxococcota	Polyangia	MidBa8	MidBa8	*MidBa8*	*uncultured_microorganism*	1.000
OTU279	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Nitrosomonadaceae	*mle1-7*	*uncultured_bacterium*	0.972
OTU280	Bacteria	Proteobacteria	Gammaproteobacteria	Nitrosococcales	Nitrosococcaceae	*MSB-1D1*	*uncultured_bacterium*	1.000
OTU281	Bacteria	Chloroflexi	Anaerolineae	MSB-5B2	MSB-5B2	*MSB-5B2*	*uncultured_bacterium*	1.000
OTU282	Bacteria	Chloroflexi	Dehalococcoidia	MSBL5	MSBL5	*MSBL5*	*uncultured_bacterium*	1.000
OTU283	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfurivibrionaceae	*MSBL7*	*uncultured_Desulfobacterales*	0.965
OTU284	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Muricauda*	*uncultured_Flavobacteriaceae*	0.896
OTU285	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	MWH-UniP1_aquatic_group	*MWH-UniP1_aquatic_group*	*uncultured_marine*	0.995
OTU286	Bacteria	Firmicutes	Bacilli	Mycoplasmatales	Mycoplasmataceae	*Mycoplasma*	*uncultured_organism*	0.994
OTU287	Bacteria	Myxococcota	Polyangia	Nannocystales	Nannocystaceae	*Nannocystaceae*	*Enhygromyxa_sp,*	0.995
OTU288	Bacteria	Myxococcota	Polyangia	Nannocystales	Nannocystaceae	*Nannocystis*	*NA*	0.999
OTU289	Bacteria	Chloroflexi	Dehalococcoidia	Napoli-4B-65	Napoli-4B-65	*Napoli-4B-65*	*uncultured_bacterium*	0.975
OTU290	Bacteria	NB1-j	NB1-j	NB1-j	NB1-j	*NB1-j*	*uncultured_organism*	0.960
OTU291	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*Neiella*	*Neiella_marina*	0.996

OTU292	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Stappiaceae	*Nesiotobacter*	*Nesiotobacter_exalbescens*	0.714
OTU293	Bacteria	Proteobacteria	Gammaproteobacteria	Salinisphaerales	Solimonadaceae	*Nevskia*	*uncultured_bacterium*	0.985
OTU294	Bacteria	Proteobacteria	Alphaproteobacteria	Thalassobaculales	Nisaeaceae	*Nisaea*	*NA*	1.000
OTU295	Bacteria	Nitrospinota	Nitrospinia	Nitrospinales	Nitrospinaceae	*Nitrospina*	*uncultured_bacterium*	0.998
OTU296	Bacteria	Nitrospirota	Nitrospiria	Nitrospirales	Nitrospiraceae	*Nitrospira*	*unidentified*	0.846
OTU297	Bacteria	Nitrospirota	Nitrospiria	Nitrospirales	Nitrospiraceae	*Nitrospira*	*Nitrospira_sp,*	0.998
OTU298	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	*Novosphingobium*	*NA*	0.996
OTU299	Bacteria	Proteobacteria	Alphaproteobacteria	NRL2	NRL2	*NRL2*	*uncultured_marine*	0.943
OTU300	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Cryomorphaceae	*NS10_marine_group*	*uncultured_bacterium*	0.808
OTU301	Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	NS11-12_marine_group	*NS11-12_marine_group*	*uncultured_marine*	0.963
OTU302	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*NS2b_marine_group*	*NA*	1.000
OTU303	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*NS4_marine_group*	*NA*	1.000
OTU304	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*NS5_marine_group*	*uncultured_Flavobacterium*	0.887
OTU305	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	NS7_marine_group	*NS7_marine_group*	*uncultured_bacterium*	0.925
OTU306	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	NS9_marine_group	*NS9_marine_group*	*uncultured_Flavobacteriales*	0.903
OTU307	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	NS9_marine_group	*NS9_marine_group*	*marine_metagenome*	0.990
OTU308	Bacteria	Cyanobacteria	Vampirivibrionia	Obscuribacterales	Obscuribacteraceae	*Obscuribacteraceae*	*uncultured_marine*	0.959
OTU309	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Oceanicella*	*NA*	0.756
OTU310	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Aeromonadaceae	*Oceanisphaera*	*Oceanisphaera_sp,*	0.928
OTU311	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Oceanospirillaceae	*Oceanospirillum*	*NA*	0.999
OTU312	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Oceanospirillaceae	*Oceanospirillum*	*Oceanospirillum_linum*	0.719
OTU313	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Saccharospirillaceae	*Oleibacter*	*NA*	0.999
OTU314	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Saccharospirillaceae	*Oleispira*	*NA*	1.000
OTU315	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	OM182_clade	*OM182_clade*	*uncultured_gamma*	0.956
OTU316	Bacteria	Bdellovibrionota	Bdellovibrionia	Bdellovibrionales	Bdellovibrionaceae	*OM27_clade*	*uncultured_marine*	1.000
OTU317	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Methylophilaceae	*OM43_clade*	*Methylophilales_bacterium*	0.958
OTU318	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Halieaceae	*OM60(NOR5)_clade*	*uncultured_gamma*	0.966
OTU319	Bacteria	Proteobacteria	Alphaproteobacteria	Thalassobaculales	Nisaeaceae	*OM75_clade*	*uncultured_bacterium*	0.715
OTU320	Bacteria	Verrucomicrobiota	Lentisphaeria	P,palmC41	P,palmC41	*P,palmC41*	*uncultured_bacterium*	0.949
OTU321	Bacteria	Myxococcota	Myxococcia	Myxococcales	Myxococcaceae	*P3OB-42*	*NA*	1.000
OTU322	Bacteria	Nitrospinota	P9X2b3D02	P9X2b3D02	P9X2b3D02	*P9X2b3D02*	*uncultured_bacterium*	1.000
OTU323	Bacteria	Acidobacteriota	Acidobacteriae	Acidobacteriae	Acidobacteriae	*Paludibaculum*	*uncultured_bacterium*	0.930
OTU324	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Caminicellaceae	*Paramaledivibacter*	*uncultured_bacterium*	0.825

OTU325	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Moritellaceae	*Paramoritella*	*Paramoritella_sp,*	0.836
OTU326	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Alcaligenaceae	*Parapusillimonas*	*NA*	0.930
OTU327	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	*Parasphingopyxis*	*uncultured_bacterium*	0.999
OTU328	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Parvularculaceae	*Parvularcula*	*uncultured_organism*	0.876
OTU329	Bacteria	Acidobacteriota	Acidobacteriae	PAUC26f	PAUC26f	*PAUC26f*	*uncultured_Acidobacterium*	0.996
OTU330	Bacteria	Gemmatimonadota	PAUC43f_marine_benthic_group	PAUC43f_marine_benthic_group	PAUC43f_marine_benthic_group	*PAUC43f_marine_benthic_group*	*uncultured_actinobacterium*	0.969
OTU331	Bacteria	Desulfobacterota	Desulfuromonadia	PB19	PB19	*PB19*	*uncultured_marine*	0.946
OTU332	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Devosiaceae	*Pelagibacterium*	*NA*	0.942
OTU333	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	Kiloniellaceae	*Pelagibius*	*uncultured_Alphaproteobacteria*	0.932
OTU334	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*Pelagicoccus*	*uncultured_marine*	0.961
OTU335	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	*Pelolinea*	*uncultured_bacterium*	0.999
OTU336	Bacteria	Actinobacteriota	Actinobacteria	PeM15	PeM15	*PeM15*	*uncultured_Actinomycetales*	0.930
OTU337	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcaceae	*Peptoclostridium*	*Peptoclostridium_litorale*	1.000
OTU338	Bacteria	Bdellovibrionota	Bdellovibrionia	Bacteriovoracales	Bacteriovoracaceae	*Peredibacter*	*uncultured_Peredibacter*	0.999
OTU339	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiales	Rubritaleaceae	*Persicirhabdus*	*uncultured_bacterium*	0.720
OTU340	Bacteria	Proteobacteria	Gammaproteobacteria	Arenicellales	Arenicellaceae	*Perspicuibacter*	*uncultured_bacterium*	0.896
OTU341	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Saprospiraceae	*Phaeodactylibacter*	*uncultured_Saprospiraceae*	1.000
OTU342	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae	*Phenylobacterium*	*NA*	1.000
OTU343	Bacteria	Cyanobacteria	Cyanobacteriia	Phormidesmiales	Phormidesmiaceae	*Phormidesmis_ANT,LACV5,1*	*NA*	0.969
OTU344	Bacteria	Cyanobacteria	Cyanobacteriia	Phormidesmiales	Phormidesmiaceae	*Phormidium_MBIC10003*	*cyanobacterium_SC-1*	0.882
OTU345	Bacteria	Bacteroidota	Ignavibacteria	Ignavibacteriales	PHOS-HE36	*PHOS-HE36*	*uncultured_bacterium*	0.981
OTU346	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Photobacterium*	*NA*	1.000
OTU347	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Photobacterium*	*Photobacterium_aphoticum*	0.999
OTU348	Bacteria	Planctomycetota	Planctomycetes	Pirellulales	Pirellulaceae	*Pir4_lineage*	*NA*	1.000
OTU349	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Comamonadaceae	*Piscinibacter*	*uncultured_bacterium*	0.767
OTU350	Bacteria	Proteobacteria	Gammaproteobacteria	pItb-vmat-80	pItb-vmat-80	*pItb-vmat-80*	*uncultured_gamma*	0.898
OTU351	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Oscillatoriaceae	*Planktothricoides_SR001*	*NA*	1.000
OTU352	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Comamonadaceae	*Polaromonas*	*NA*	0.991
OTU353	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Nitrincolaceae	*Pontibacterium*	*uncultured_bacterium*	0.978
OTU354	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*Ponticaulis*	*NA*	1.000
OTU355	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	*Porphyrobacter*	*NA*	0.993
OTU356	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Saprospiraceae	*Portibacter*	*uncultured_Bacteroidetes*	1.000
OTU357	Bacteria	Cyanobacteria	Cyanobacteriia	Synechococcales	Cyanobiaceae	*Prochlorococcus_MIT9313*	*Synechococcus_sp,*	0.799

OTU358	Bacteria	Fusobacteriota	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	*Propionigenium*	*uncultured_bacterium*	0.952
OTU359	Bacteria	Bacteroidota	Chlorobia	Chlorobiales	Chlorobiaceae	*Prosthecochloris*	*Prosthecochloris_aestuarii*	0.984
OTU360	Bacteria	Proteobacteria	Alphaproteobacteria	Parvibaculales	PS1_clade	*PS1_clade*	*uncultured_bacterium*	0.726
OTU361	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	*Pseudahrensia*	*uncultured_bacterium*	0.996
OTU362	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Pseudoalteromonadaceae	*Pseudoalteromonas*	*NA*	1.000
OTU363	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Pseudoalteromonadaceae	*Pseudoalteromonas*	*Pseudoalteromonas_ruthenica*	0.983
OTU364	Bacteria	Bdellovibrionota	Oligoflexia	Oligoflexales	Oligoflexaceae	*Pseudobacteriovorax*	*uncultured_bacterium*	0.975
OTU365	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Pseudofulvibacter*	*NA*	0.776
OTU366	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Halieaceae	*Pseudohaliea*	*uncultured_organism*	0.876
OTU367	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudohongiellaceae	*Pseudohongiella*	*NA*	1.000
OTU368	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Pseudomonadaceae	*Pseudomonas*	*NA*	0.957
OTU369	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Pseudophaeobacter*	*NA*	0.836
OTU370	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Pseudoruegeria*	*NA*	0.938
OTU371	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Stappiaceae	*Pseudovibrio*	*NA*	0.936
OTU372	Bacteria	Fusobacteriota	Fusobacteriia	Fusobacteriales	Fusobacteriaceae	*Psychrilyobacter*	*uncultured_bacterium*	0.928
OTU373	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Moraxellaceae	*Psychrobacter*	*uncultured_bacterium*	0.951
OTU374	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Pseudoalteromonadaceae	*Psychrosphaera*	*uncultured_bacterium*	0.985
OTU375	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*Puniceicoccus*	*uncultured_Verrucomicrobia*	0.999
OTU376	Bacteria	Verrucomicrobiota	Kiritimatiellae	Kiritimatiellales	Kiritimatiellaceae	*R76-B128*	*uncultured_bacterium*	0.936
OTU377	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Cyclobacteriaceae	*Reichenbachiella*	*uncultured_bacterium*	0.950
OTU378	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Saccharospirillaceae	*Reinekea*	*NA*	1.000
OTU379	Bacteria	Proteobacteria	Alphaproteobacteria	Reyranellales	Reyranellaceae	*Reyranella*	*NA*	1.000
OTU380	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Alteromonadaceae	*Rheinheimera*	*uncultured_Rheinheimera*	0.969
OTU381	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Rhodobacter*	*NA*	0.769
OTU382	Bacteria	Actinobacteriota	Actinobacteria	Corynebacteriales	Nocardiaceae	*Rhodococcus*	*NA*	1.000
OTU383	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhodomicrobiaceae	*Rhodomicrobium*	*bacterium_YC-ZSS-LKJ79*	0.710
OTU384	Bacteria	Planctomycetota	Planctomycetes	Pirellulales	Pirellulaceae	*Rhodopirellula*	*NA*	0.990
OTU385	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Rhodospirillaceae	*Rhodospirillum*	*Rhodospirillum_sp,*	1.000
OTU386	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Nostocaceae	*Rivularia_PCC-7116*	*NA*	1.000
OTU387	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcaceae	*Romboutsia*	*NA*	0.988
OTU388	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Verrucomicrobiales	Rubritaleaceae	*Roseibacillus*	*uncultured_marine*	0.993
OTU389	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Roseibacterium*	*Roseobacter_sp,*	0.706
OTU390	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	*Roseitalea*	*uncultured_organism*	0.831

OTU391	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Roseobacter*	*NA*	0.911
OTU392	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Roseobacter_clade_CHAB-I-5_lineage*	*uncultured_bacterium*	0.854
OTU393	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Roseovarius*	*uncultured_Alphaproteobacteria*	0.803
OTU394	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Saprospiraceae	*Rubidimonas*	*uncultured_bacterium*	0.996
OTU395	Bacteria	Planctomycetota	Planctomycetes	Pirellulales	Pirellulaceae	*Rubripirellula*	*uncultured_bacterium*	0.919
OTU396	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Ruegeria*	*NA*	0.991
OTU397	Bacteria	Proteobacteria	Alphaproteobacteria	Rickettsiales	S25-593	*S25-593*	*NA*	1.000
OTU398	Bacteria	Spirochaetota	Spirochaetia	Spirochaetales	Spirochaetaceae	*Salinispira*	*Salinispira_pacifica*	0.841
OTU399	Bacteria	Myxococcota	Polyangia	Polyangiales	Sandaracinaceae	*Sandaracinus*	*uncultured_bacterium*	0.998
OTU400	Bacteria	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	*SAR116_clade*	*uncultured_alpha*	0.998
OTU401	Bacteria	Chloroflexi	Dehalococcoidia	SAR202_clade	SAR202_clade	*SAR202_clade*	*uncultured_bacterium*	0.971
OTU402	Bacteria	SAR324_clade (Marine_group_B)	SAR324_clade (Marine_group_B)	SAR324_clade (Marine_group_B)	SAR324_clade (Marine_group_B)	*SAR324_clade (Marine_group_B)*	*uncultured_SAR324*	1.000
OTU403	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	SAR86_clade	*SAR86_clade*	*marine_metagenome*	1.000
OTU404	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Porticoccaceae	*SAR92_clade*	*uncultured_marine*	0.843
OTU405	Bacteria	Bacteroidota	Bacteroidia	Bacteroidales	SB-5	*SB-5*	*bacterium_YC-LK-LKJ31*	0.998
OTU406	Bacteria	Chloroflexi	Anaerolineae	SBR1031	SBR1031	*SBR1031*	*uncultured_bacterium*	0.895
OTU407	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Pedosphaerales	Pedosphaeraceae	*SCGC_AAA164-E04*	*uncultured_bacterium*	1.000
OTU408	Bacteria	Chloroflexi	Dehalococcoidia	GIF9	AB-539-J10	*SCGC-AB-539-J10*	*uncultured_bacterium*	0.889
OTU409	Bacteria	Cyanobacteria	Cyanobacteriia	Synechococcales	Synechococcales_Incertae_Sedis	*Schizothrix_LEGE_07164*	*uncultured_cyanobacterium*	0.879
OTU410	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Schleiferiaceae	*Schleiferia*	*uncultured_Bacteroidetes*	0.993
OTU411	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Sedimentibacteraceae	*Sedimentibacter*	*Sedimentibacter_acidaminivorans*	0.935
OTU412	Bacteria	Proteobacteria	Gammaproteobacteria	Chromatiales	Sedimenticolaceae	*Sedimenticola*	*uncultured_sediment*	0.943
OTU413	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Chitinophagaceae	*Sediminibacterium*	*NA*	1.000
OTU414	Bacteria	Spirochaetota	Spirochaetia	Spirochaetales	Spirochaetaceae	*Sediminispirochaeta*	*uncultured_bacterium*	0.998
OTU415	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfosarcinaceae	*SEEP-SRB1*	*NA*	0.965
OTU416	Bacteria	Desulfobacterota	Desulfobulbia	Desulfobulbales	Desulfocapsaceae	*SEEP-SRB4*	*uncultured_bacterium*	0.866
OTU417	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Yersiniaceae	*Serratia*	*NA*	0.998
OTU418	Bacteria	Chloroflexi	Dehalococcoidia	Sh765B-AG-111	Sh765B-AG-111	*Sh765B-AG-111*	*uncultured_bacterium*	0.869
OTU419	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Shewanellaceae	*Shewanella*	*NA*	1.000
OTU420	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Shewanellaceae	*Shewanella*	*Shewanella_surugensis*	0.998
OTU421	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Shimia*	*NA*	0.944
OTU422	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Silicimonas*	*uncultured_bacterium*	0.906
OTU423	Bacteria	Proteobacteria	Alphaproteobacteria	Sneathiellales	Sneathiellaceae	*Sneathiella*	*uncultured_bacterium*	0.992

OTU424	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Nostocaceae	*Sphaerospermopsis_BCCUSP55*	*Anabaena_sp,*	0.825
OTU425	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	*Sphingorhabdus*	*NA*	0.980
OTU426	Bacteria	Spirochaetota	Spirochaetia	Spirochaetales	Spirochaetaceae	*Spirochaeta_2*	*Oceanispirochaeta_litoralis*	0.984
OTU427	Bacteria	Spirochaetota	Spirochaetia	Spirochaetales	Spirochaetaceae	*Spirochaeta_2*	*NA*	1.000
OTU428	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Paraspirulinaceae	*Spirulina_DRTO-55,2*	*Spirulina_sp,*	0.894
OTU429	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Paraspirulinaceae	*Spirulina_P7*	*Spirulina_subsalsa*	0.759
OTU430	Bacteria	Firmicutes	Bacilli	Staphylococcales	Staphylococcaceae	*Staphylococcus*	*NA*	1.000
OTU431	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Stappiaceae	*Stappia*	*uncultured_bacterium*	0.755
OTU432	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Microcystaceae	*SU2_symbiont_group*	*cyanobacterium_endosymbiont*	0.885
OTU433	Bacteria	Acidobacteriota	Thermoanaerobaculia	Thermoanaerobaculales	Thermoanaerobaculaceae	*Subgroup_10*	*NA*	1.000
OTU434	Bacteria	Acidobacteriota	Vicinamibacteria	Subgroup_17	Subgroup_17	*Subgroup_17*	*uncultured_bacterium*	1.000
OTU435	Bacteria	Acidobacteriota	Subgroup_18	Subgroup_18	Subgroup_18	*Subgroup_18*	*uncultured_bacterium*	0.823
OTU436	Bacteria	Acidobacteriota	Subgroup_21	Subgroup_21	Subgroup_21	*Subgroup_21*	*uncultured_bacterium*	1.000
OTU437	Bacteria	Acidobacteriota	Subgroup_22	Subgroup_22	Subgroup_22	*Subgroup_22*	*NA*	0.999
OTU438	Bacteria	Acidobacteriota	Thermoanaerobaculia	Thermoanaerobaculales	Thermoanaerobaculaceae	*Subgroup_23*	*uncultured_bacterium*	0.733
OTU439	Bacteria	Acidobacteriota	Subgroup_26	Subgroup_26	Subgroup_26	*Subgroup_26*	*uncultured_Acidobacterium*	1.000
OTU440	Bacteria	Campylobacterota	Campylobacteria	Campylobacterales	Sulfurimonadaceae	*Sulfurimonas*	*NA*	1.000
OTU441	Bacteria	Campylobacterota	Campylobacteria	Campylobacterales	Sulfurospirillaceae	*Sulfurospirillum*	*uncultured_bacterium*	0.987
OTU442	Bacteria	Campylobacterota	Campylobacteria	Campylobacterales	Sulfurovaceae	*Sulfurovum*	*NA*	1.000
OTU443	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Thioglobaceae	*SUP05_cluster*	*NA*	0.954
OTU444	Bacteria	Desulfobacterota	Desulfobacteria	Desulfobacterales	Desulfosarcinaceae	*Sva0081_sediment_group*	*NA*	0.994
OTU445	Bacteria	Sva0485	Sva0485	Sva0485	Sva0485	*Sva0485*	*NA*	1.000
OTU446	Bacteria	Actinobacteriota	Acidimicrobiia	Microtrichales	Microtrichaceae	*Sva0996_marine_group*	*NA*	1.000
OTU447	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	Sva1033	*Sva1033*	*uncultured_bacterium*	0.984
OTU448	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Cyanobacteriaceae	*Symphothece_PCC-7002*	*NA*	1.000
OTU449	Bacteria	Cyanobacteria	Cyanobacteriia	Synechococcales	Cyanobiaceae	*Synechococcus_CC9902*	*NA*	0.989
OTU450	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	Syntrophotaleaceae	*Syntrophotalea*	*NA*	0.998
OTU451	Bacteria	Proteobacteria	Gammaproteobacteria	SZB50	SZB50	*SZB50*	*NA*	0.918
OTU452	Bacteria	Proteobacteria	Gammaproteobacteria	Nitrosococcales	Nitrosococcaceae	*SZB85*	*uncultured_gamma*	0.997
OTU453	Bacteria	Chloroflexi	Dehalococcoidia	t0,6,f	t0,6,f	*t0,6,f*	*uncultured_bacterium*	0.998
OTU454	Bacteria	TA06	TA06	TA06	TA06	*TA06*	*uncultured_bacterium*	0.999
OTU455	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Tateyamaria*	*NA*	0.944
OTU456	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Tenacibaculum*	*NA*	0.999

OTU457	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Tenacibaculum*	*Tenacibaculum_sp,*	0.955
OTU458	Bacteria	Firmicutes	Clostridia	Peptostreptococcales-Tissierellales	Peptostreptococcaceae	*Tepidibacter*	*NA*	1.000
OTU459	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Terasakiellaceae	*Terasakiella*	*Terasakiella_salincola*	1.000
OTU460	Bacteria	Proteobacteria	Alphaproteobacteria	Thalassobaculales	Thalassobaculaceae	*Thalassobaculum*	*NA*	1.000
OTU461	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Thalassobius*	*uncultured_bacterium*	0.793
OTU462	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	Saccharospirillaceae	*Thalassolituus*	*uncultured_bacterium*	0.968
OTU463	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Thalassospiraceae	*Thalassospira*	*NA*	1.000
OTU464	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Colwelliaceae	*Thalassotalea*	*NA*	1.000
OTU465	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Colwelliaceae	*Thalassotalea*	*Thalassomonas_sp,*	0.790
OTU466	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Thaumasiovibrio*	*Vibrionaceae_bacterium*	0.941
OTU467	Bacteria	Chloroflexi	Anaerolineae	Anaerolineales	Anaerolineaceae	*Thermomarinilinea*	*uncultured_bacterium*	1.000
OTU468	Bacteria	Proteobacteria	Gammaproteobacteria	Ectothiorhodospirales	Thioalkalispiraceae	*Thioalkalispira-Sulfurivermis*	*NA*	0.985
OTU469	Bacteria	Proteobacteria	Gammaproteobacteria	Ectothiorhodospirales	Ectothiorhodospiraceae	*Thiogranum*	*NA*	0.983
OTU470	Bacteria	Proteobacteria	Gammaproteobacteria	Ectothiorhodospirales	Thioalkalispiraceae	*Thiohalophilus*	*NA*	1.000
OTU471	Bacteria	Proteobacteria	Gammaproteobacteria	Thiomicrospirales	Thiomicrospiraceae	*Thiomicrorhabdus*	*Thiomicrorhabdus_sp,*	0.854
OTU472	Bacteria	Proteobacteria	Gammaproteobacteria	Thiomicrospirales	Thiomicrospiraceae	*Thiomicrospira*	*NA*	0.712
OTU473	Bacteria	Proteobacteria	Gammaproteobacteria	Gammaproteobacteria	Thioprofundaceae	*Thioprofundum*	*uncultured_bacterium*	0.960
OTU474	Bacteria	Proteobacteria	Gammaproteobacteria	Thiotrichales	Thiotrichaceae	*Thiothrix*	*uncultured_gamma*	0.939
OTU475	Bacteria	Proteobacteria	Alphaproteobacteria	Kiloniellales	Kiloniellaceae	*Tistlia*	*uncultured_Rhodospirillaceae*	0.787
OTU476	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	TRA3-20	*TRA3-20*	*NA*	1.000
OTU477	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Phormidiaceae	*Trichodesmium_IMS101*	*NA*	1.000
OTU478	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Tropicibacter*	*NA*	0.748
OTU479	Bacteria	Spirochaetota	Leptospirae	Leptospirales	Leptospiraceae	*Turneriella*	*Turneriella_parva*	1.000
OTU480	Bacteria	Myxococcota	Polyangia	UASB-TL25	UASB-TL25	*UASB-TL25*	*uncultured_organism*	0.987
OTU481	Bacteria	Proteobacteria	Gammaproteobacteria	UBA10353_marine_group	UBA10353_marine_group	*UBA10353_marine_group*	*NA*	1.000
OTU482	Bacteria	Proteobacteria	Gammaproteobacteria	UBA4486	UBA4486	*UBA4486*	*NA*	0.701
OTU483	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Ulvibacter*	*uncultured_marine*	0.994
OTU484	Bacteria	uncultured	uncultured	uncultured	uncultured	*uncultured*	*uncultured_actinobacterium*	1.000
OTU485	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	*NA*	*NA*	0.994
OTU486	Bacteria	Bacteroidota	Bacteroidia	Chitinophagales	Saprospiraceae	*NA*	*NA*	0.998
OTU487	Bacteria	Chloroflexi	Dehalococcoidia	vadinBA26	vadinBA26	*vadinBA26*	*uncultured_bacterium*	1.000
OTU488	Bacteria	Firmicutes	Clostridia	Lachnospirales	Lachnospiraceae	*Vallitalea*	*uncultured_bacterium*	0.913
OTU489	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Opitutales	Puniceicoccaceae	*Verruc-01*	*uncultured_bacterium*	0.996

OTU490	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*NA*	1.000
OTU491	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_agarivorans*	0.793
OTU492	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_alfacsensis*	0.925
OTU493	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_breoganii*	0.845
OTU494	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_coralliilyticus*	0.876
OTU495	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_fortis*	0.856
OTU496	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_mediterranei*	0.905
OTU497	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_ponticus*	0.956
OTU498	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_tubiashii*	0.721
OTU499	Bacteria	Proteobacteria	Gammaproteobacteria	Enterobacterales	Vibrionaceae	*Vibrio*	*Vibrio_vulnificus*	0.885
OTU500	Bacteria	Acidobacteriota	Vicinamibacteria	Vicinamibacterales	Vicinamibacteraceae	*Vicinamibacteraceae*	*NA*	1.000
OTU501	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Cryomorphaceae	*Vicingus*	*uncultured_bacterium*	0.998
OTU502	Bacteria	Actinobacteriota	WCHB1-81	WCHB1-81	WCHB1-81	*WCHB1-81*	*NA*	1.000
OTU503	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Winogradskyella*	*NA*	1.000
OTU504	Bacteria	Proteobacteria	Gammaproteobacteria	Steroidobacterales	Woeseiaceae	*Woeseia*	*NA*	0.978
OTU505	Bacteria	WPS-2	WPS-2	WPS-2	WPS-2	*WPS-2*	*uncultured_bacterium*	0.997
OTU506	Bacteria	WS2	WS2	WS2	WS2	*WS2*	*uncultured_bacterium*	0.997
OTU507	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	Xenococcaceae	*Xenococcus_PCC-7305*	*uncultured_bacterium*	0.997
OTU508	Bacteria	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	*Yangia*	*Yangia_pacifica*	0.854
OTU509	Bacteria	Bacteroidota	Bacteroidia	Flavobacteriales	Flavobacteriaceae	*Zeaxanthinibacter*	*uncultured_bacterium*	1.000
OTU510	Bacteria	Zixibacteria	Zixibacteria	Zixibacteria	Zixibacteria	*Zixibacteria*	*uncultured_bacterium*	1.000
OTU511	Bacteria	Cyanobacteria	Cyanobacteriia	Cyanobacteriales	*NA*	*NA*	*NA*	1.000
OTU512	Bacteria	Desulfobacterota	Desulfuromonadia	Desulfuromonadales	*NA*	*NA*	*NA*	1.000
OTU513	Bacteria	Proteobacteria	Gammaproteobacteria	Ectothiorhodospirales	*NA*	*NA*	*NA*	1.000
OTU514	Bacteria	Firmicutes	Clostridia	Lachnospirales	*NA*	*NA*	*NA*	1.000
OTU515	Bacteria	Proteobacteria	Gammaproteobacteria	Pseudomonadales	*NA*	*NA*	*NA*	1.000
OTU516	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	*NA*	*NA*	*NA*	1.000

B) Fungi

OTU Nr	Kingdom	Phylum	Class	Order	Family	Genus	Species	Conf. *
OTU001	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	*Meyerozyma*	*Meyerozyma_guilliermondii*	0.992
OTU002	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Trichoderma*	*NA*	1.000
OTU003	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	*Clonostachys*	*Clonostachys_rosea*	0.943
OTU004	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	*Aureobasidium*	*Aureobasidium_pullulans*	0.993
OTU005	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU006	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU007	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_jugoslavicum*	0.990
OTU008	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_jugoslavicum*	0.984
OTU009	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU010	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU011	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU012	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*Aspergillus_flavipes*	0.709
OTU013	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_nalgiovense*	0.926
OTU014	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.995
OTU015	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_georgiense*	1.000
OTU016	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*Aspergillus_westerdijkiae*	0.912
OTU017	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_adametzioides*	0.999
OTU018	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU019	Fungi	Ascomycota	Eurotiomycetes	Onygenales	Onygenaceae	*Auxarthron*	*Auxarthron_chlamydosporum*	0.999
OTU020	Fungi	Ascomycota	Xylonomycetes	Xylonomycetales	Xylonomycetaceae	*Trinosporium*	*Trinosporium_guianense*	0.999
OTU021	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	*Pseudocamarosporium*	*Pseudocamarosporium_brabeji*	0.827
OTU022	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Occultibambusaceae	*Brunneofusispora*	*Brunneofusispora_sinensis*	0.948
OTU023	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Trichoderma*	*NA*	1.000
OTU024	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	*Kalmusia*	*Kalmusia_variispora*	0.999
OTU025	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	*Laburnicola*	*Laburnicola_dactylidis*	1.000
OTU026	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Phanerochaetaceae	*Bjerkandera*	*Bjerkandera_adusta*	0.974
OTU027	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Fusarium*	*Fusarium_neocosmosporiellum*	0.709
OTU028	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*NA*	0.993
OTU029	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Gibellulopsis*	*unidentified*	0.997

OTU030	Fungi	Chytridiomycota	Lobulomycetes	Lobulomycetales	Lobulomycetaceae	*Lobulomyces*	*unidentified*	1.000
OTU031	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Psathyrellaceae	*Coprinellus*	*Coprinellus_micaceus*	0.996
OTU032	Fungi	Basidiomycota	Agaricomycetes	Hymenochaetales	Hymenochaetales_fam_Incertae_sedis	*Resinicium*	*Resinicium_bicolor*	0.998
OTU033	Fungi	Mucoromycota	Mucoromycetes	Mucorales	Rhizopodaceae	*Rhizopus*	*Rhizopus_arrhizus*	1.000
OTU034	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Sporormiaceae	*Westerdykella*	*Westerdykella_nigra*	0.960
OTU035	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Tremellaceae	*Cryptococcus*	*Cryptococcus_longus*	1.000
OTU036	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Crepidotaceae	*Crepidotus*	*Crepidotus_luteolus*	1.000
OTU037	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Phaffomycetaceae	*Wickerhamomyces*	*Wickerhamomyces_anomalus*	1.000
OTU038	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	*Talaromyces*	*Talaromyces_albobiverticillius*	0.966
OTU039	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	*Talaromyces*	*Talaromyces_minioluteus*	0.995
OTU040	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	*Debaryomyces*	*Debaryomyces_hansenii*	0.832
OTU041	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	*Yamadazyma*	*unidentified*	0.766
OTU042	Fungi	Ascomycota	Sordariomycetes	Microascales	Microascaceae	*Kernia*	*Kernia_columnaris*	0.775
OTU043	Fungi	Basidiomycota	Agaricomycetes	Hymenochaetales	Schizoporaceae	*Xylodon*	*Xylodon_nespori*	1.000
OTU044	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Acrostalagmus*	*Acrostalagmus_luteoalbus*	1.000
OTU045	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreales_fam_Incertae_sedis	*Acremonium*	*Acremonium_roseolum*	1.000
OTU046	Fungi	Ascomycota	Sordariomycetes	Diaporthales	Melanconiellaceae	*Microascospora*	*unidentified*	1.000
OTU047	Fungi	Ascomycota	Dothideomycetes	Dothideales	Dothideales_fam_Incertae_sedis	*Hortaea*	*Hortaea_werneckii*	1.000
OTU048	Fungi	Basidiomycota	Agaricostilbomycetes	Agaricostilbales	Kondoaceae	*Kondoa*	*Kondoa_aeria*	1.000
OTU049	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	*Clonostachys*	*Clonostachys_rosea*	0.883
OTU050	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	*Nectriopsis*	*NA*	1.000
OTU051	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	*Beauveria*	*NA*	0.995
OTU052	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	*Pseudocamarosporium*	*Pseudocamarosporium_brabeji*	0.756
OTU053	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	*Pseudocamarosporium*	*Pseudocamarosporium_brabeji*	0.831
OTU054	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	*Pseudocamarosporium*	*Pseudocamarosporium_brabeji*	0.712
OTU055	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae	*Acrodontium*	*Acrodontium_hydnicola*	0.934
OTU056	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	*Leptobacillium*	*Leptobacillium_leptobactrum*	0.998
OTU057	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	*Exophiala*	*Exophiala_nigra*	0.975
OTU058	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_nalgiovense*	0.820
OTU059	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*Aspergillus_fumisynnematus*	0.917
OTU060	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.975
OTU061	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_brevicompactum*	0.953
OTU062	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.976

OTU063	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_psychrosexualis*	0.809
OTU064	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_roseopurpureum*	0.954
OTU065	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	0.974
OTU066	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_sumatraense*	0.775
OTU067	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*Aspergillus_versicolor*	0.941
OTU068	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU069	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	1.000
OTU070	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	*Thermomyces*	*NA*	1.000
OTU071	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.995
OTU072	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.983
OTU073	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_incoloratum*	0.835
OTU074	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.986
OTU075	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_catenatum*	0.814
OTU076	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.944
OTU077	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_ubiquetum*	0.931
OTU078	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU079	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	*NA*	*NA*	*NA*	1.000
OTU080	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU081	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU082	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_catenatum*	0.999
OTU083	Fungi	Ascomycota	Sordariomycetes	Diaporthales	Valsaceae	*Cytospora*	*NA*	1.000
OTU084	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreales_fam_Incertae_sedis	*Sarocladium*	*Sarocladium_bifurcatum*	0.994
OTU085	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Tricholomataceae	*Mycena*	*NA*	0.999
OTU086	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Tricholomataceae	*Mycena*	*Mycena_urania*	0.864
OTU087	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	*Alternaria*	*Alternaria_oregonensis*	0.987
OTU088	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Fusarium*	*NA*	0.951
OTU089	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	*Microsphaeropsis*	*NA*	0.941
OTU090	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	*NA*	*NA*	0.981
OTU091	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	*Didymella*	*NA*	0.994
OTU092	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	*unidentified*	*unidentified*	0.742
OTU093	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	*Didymella*	*NA*	0.982
OTU094	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Saccharomycetales_fam_Incertae_sedis	*Candida*	*Candida_dosseyi*	0.714
OTU095	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Capnodiaceae	*Antennariella*	*Antennariella_placitae*	1.000

OTU096	Fungi	Ascomycota	Sordariomycetes	Trichosphaeriales	Trichosphaeriaceae	*Nigrospora*	*NA*	1.000
OTU097	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*Aspergillus_versicolor*	0.995
OTU098	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	*unidentified*	*unidentified*	0.997
OTU099	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Occultibambusaceae	*Brunneofusispora*	*Brunneofusispora_sinensis*	0.848
OTU100	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Occultibambusaceae	*Brunneofusispora*	*NA*	0.959
OTU101	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Occultibambusaceae	*Brunneofusispora*	*Brunneofusispora_sinensis*	0.987
OTU102	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Massarinaceae	*Massarina*	*unidentified*	0.976
OTU103	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Stachylidium*	*Stachylidium_bicolor*	1.000
OTU104	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Tricholomataceae	*Paralepista*	*Paralepista_flaccida*	0.999
OTU105	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Trichoderma*	*NA*	0.999
OTU106	Fungi	Basidiomycota	Malasseziomycetes	Malasseziales	Malasseziaceae	*Malassezia*	*Malassezia_sympodialis*	1.000
OTU107	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Brunneomyces*	*NA*	1.000
OTU108	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Ganodermataceae	*Ganoderma*	*Ganoderma_lobatum*	0.888
OTU109	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Ganodermataceae	*Ganoderma*	*Ganoderma_lucidum*	0.755
OTU110	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Bionectriaceae	*Gliomastix*	*Gliomastix_roseogrisea*	0.706
OTU111	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Lycoperdaceae	*Bovista*	*NA*	1.000
OTU112	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Lycoperdaceae	*Bovista*	*NA*	1.000
OTU113	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Lycoperdaceae	*unidentified*	*unidentified*	0.752
OTU114	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Lycoperdaceae	*Bovista*	*Bovista_aestivalis*	1.000
OTU115	Fungi	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	*Cryptovalsa*	*Cryptovalsa_ampelina*	0.999
OTU116	Fungi	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	*Eutypa*	*Eutypa_tetragona*	0.978
OTU117	Fungi	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	*Diatrype*	*Diatrype_disciformis*	0.879
OTU118	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Pichiaceae	*Ogataea*	*unidentified*	0.730
OTU119	Fungi	Mucoromycota	Umbelopsidomycetes	Umbelopsidales	Umbelopsidaceae	*Umbelopsis*	*NA*	1.000
OTU120	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Sarocladiaceae	*Parasarocladium*	*Parasarocladium_radiatum*	0.732
OTU121	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Sarocladiaceae	*Parasarocladium*	*NA*	1.000
OTU122	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Stachybotryaceae	*Stachybotrys*	*Stachybotrys_chartarum*	1.000
OTU123	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Stachybotryaceae	*Stachybotrys*	*Stachybotrys_longispora*	0.956
OTU124	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae	*Didymella*	*NA*	0.971
OTU125	Fungi	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	*Rhodotorula*	*Rhodotorula_pacifica*	0.905
OTU126	Fungi	Ascomycota	Sordariomycetes	Xylariales	Xylariaceae	*Virgaria*	*NA*	0.868
OTU127	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Monocillium*	*Monocillium_griseo-ochraceum*	0.999
OTU128	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Ophiocordycipitaceae	*Purpureocillium*	*Purpureocillium_lilacinum*	0.985

OTU129	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*unidentified*	*unidentified*	1.000
OTU130	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*Roussoella*	*Roussoella_neopustulans*	0.745
OTU131	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*Parathyridaria*	*unidentified*	1.000
OTU132	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*unidentified*	*unidentified*	0.916
OTU133	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.999
OTU134	Fungi	Ascomycota	Eurotiomycetes	Onygenales	Onygenales_fam_Incertae_sedis	*Arthropsis*	*Arthropsis_hispanica*	1.000
OTU135	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Chaetothyriales_fam_Incertae_sedis	*Sarcinomyces*	*Sarcinomyces_crustaceus*	0.996
OTU136	Fungi	Basidiomycota	Agaricomycetes	Geastrales	Geastraceae	*Geastrum*	*Geastrum_fimbriatum*	1.000
OTU137	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Agaricales_fam_Incertae_sedis	*Chondrostereum*	*Chondrostereum_purpureum*	1.000
OTU138	Fungi	Ascomycota	Sordariomycetes	Lulworthiales	Lulworthiaceae	*Lulwoana*	*unidentified*	1.000
OTU139	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	*Exophiala*	*NA*	0.999
OTU140	Fungi	Basidiomycota	Agaricomycetes	Russulales	Bondarzewiaceae	*Heterobasidion*	*Heterobasidion_parviporum*	0.949
OTU141	Fungi	Ascomycota	Dothideomycetes	Pleosporales	*NA*	*Pleosporales*	*NA*	0.998
OTU142	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Trichoderma*	*NA*	0.999
OTU143	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Trichoderma*	*NA*	1.000
OTU144	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreaceae	*Trichoderma*	*Trichoderma_aethiopicum*	0.756
OTU145	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Biatriosporaceae	*Biatriospora*	*Biatriospora_antibiotica*	1.000
OTU146	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Saccharomycetales_fam_Incertae_sedis	*Candida*	*Candida_parapsilosis*	0.798
OTU147	Fungi	Ascomycota	Pezizomycetes	Pezizales	Pyronemataceae	*Pseudaleuria*	*unidentified*	1.000
OTU148	Fungi	Ascomycota	Sordariomycetes	Lulworthiales	Lulworthiaceae	*Lulworthia*	*unidentified*	1.000
OTU149	Fungi	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	*Cryptosphaeria*	*NA*	1.000
OTU150	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*NA*	0.909
OTU151	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*Cladosporium_ossifragi*	0.829
OTU152	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*NA*	0.995
OTU153	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*Cladosporium_dominicanum*	0.776
OTU154	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*Cladosporium_halotolerans*	0.939
OTU155	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	*Cladosporium*	*NA*	0.914
OTU156	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*NA*	1.000
OTU157	Fungi	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	*Humicola*	*Humicola_parvispora*	1.000
OTU158	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Phanerochaetaceae	*Hyphodermella*	*Hyphodermella_rosae*	0.999
OTU159	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Phanerochaetaceae	*Hyphodermella*	*unidentified*	1.000
OTU160	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*Thyridariaceae*	*unidentified*	0.995
OTU161	Fungi	Basidiomycota	Microbotryomycetes	Sporidiobolales	Sporidiobolaceae	*Sporobolomyces*	*Sporobolomyces_roseus*	0.995

OTU162	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	*Exophiala*	*Exophiala_xenobiotica*	1.000
OTU163	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	*Exophiala*	*Exophiala_oligosperma*	0.759
OTU164	Fungi	Ascomycota	Sordariomycetes	Microascales	Microascaceae	*Cephalotrichum*	*Cephalotrichum_asperulum*	0.989
OTU165	Fungi	Ascomycota	Sordariomycetes	Microascales	Microascaceae	*Gamsia*	*Gamsia_simplex*	0.995
OTU166	Fungi	Basidiomycota	Agaricomycetes	Russulales	Stereaceae	*Stereum*	*Stereum_hirsutum*	0.875
OTU167	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Extremaceae	*Vermiconia*	*Vermiconia_antarctica*	1.000
OTU168	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Clavicipitaceae	*Metarhizium*	*Metarhizium_robertsii*	0.924
OTU169	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Steccherinaceae	*Antrodiella*	*Antrodiella_faginea*	0.999
OTU170	Fungi	Basidiomycota	Wallemiomycetes	Wallemiales	Wallemiaceae	*Wallemia*	*Wallemia_tropicalis*	0.805
OTU171	Fungi	Basidiomycota	Wallemiomycetes	Wallemiales	Wallemiaceae	*Wallemia*	*Wallemia_tropicalis*	0.940
OTU172	Fungi	Ascomycota	Leotiomycetes	Erysiphales	Erysiphaceae	*Golovinomyces*	*Golovinomyces_leucheriae*	0.976
OTU173	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Fusarium*	*NA*	0.998
OTU174	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Fusarium*	*Fusarium_oxysporum*	0.898
OTU175	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	unidentified	*unidentified*	*unidentified*	0.997
OTU176	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Fomitopsidaceae	*Postia*	*Postia_guttulata*	1.000
OTU177	Fungi	Basidiomycota	Cystobasidiomycetes	Cystobasidiomycetes_ord_Incertae_sedis	Symmetrosporaceae	*Symmetrospora*	*NA*	1.000
OTU178	Fungi	Ascomycota	Dothideomycetes	Pleosporales	NA	*Pleosporales*	*NA*	0.997
OTU179	Fungi	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	*Humicola*	*Humicola_grisea*	0.958
OTU180	Fungi	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	*Staphylotrichum*	*NA*	0.997
OTU181	Fungi	Ascomycota	Sordariomycetes	Sordariales	Chaetomiaceae	*Chaetomium*	*NA*	0.953
OTU182	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Fusarium*	*NA*	0.998
OTU183	Fungi	Ascomycota	Sordariomycetes	Xylariales	Diatrypaceae	*Peroneutypa*	*Peroneutypa_scoparia*	0.944
OTU184	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	*Exophiala*	*NA*	0.992
OTU185	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*Thyridariaceae*	*NA*	0.997
OTU186	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*Roussoella*	*Roussoella_solani*	1.000
OTU187	Fungi	Ascomycota	Sordariomycetes	Sordariomycetes_ord_Incertae_sedis	Thyridiaceae	*Pseudoneoconiothyrium*	*Pseudoneoconiothyrium_rosae*	0.954
OTU188	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Thyridariaceae	*Neoroussoella*	*unidentified*	0.871
OTU189	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Chordomyces*	*Chordomyces_antarcticus*	0.999
OTU190	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Hypocreales_fam_Incertae_sedis	*Acremonium*	*Acremonium_furcatum*	0.982
OTU191	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Gibellulopsis*	*unidentified*	0.979
OTU192	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Gibellulopsis*	*unidentified*	0.980
OTU193	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Sporormiaceae	*Preussia*	*Preussia_persica*	0.962
OTU194	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporales_fam_Incertae_sedis	*Nigrograna*	*NA*	0.989

OTU195	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporales_fam_Incertae_sedis	*Nigrograna*	*NA*	0.989
OTU196	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Dictyosporiaceae	*Pseudoconiothyrium*	*Pseudoconiothyrium_broussonetiae*	0.758
OTU197	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Phaeosphaeriaceae	*Phaeosphaeria*	*NA*	0.773
OTU198	Fungi	Basidiomycota	Agaricomycetes	Russulales	Peniophoraceae	*Peniophora*	*Peniophora_quercina*	0.998
OTU199	Fungi	Basidiomycota	Agaricomycetes	Russulales	Peniophoraceae	*Peniophora*	*Peniophora_meridionalis*	1.000
OTU200	Fungi	Ascomycota	Leotiomycetes	Thelebolales	Pseudeurotiaceae	*Pseudeurotium*	*unidentified*	0.871
OTU201	Fungi	Ascomycota	Leotiomycetes	Thelebolales	Pseudeurotiaceae	*Pseudeurotium*	*unidentified*	0.827
OTU202	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Fusarium*	*NA*	0.759
OTU203	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	*Capronia*	*unidentified*	0.741
OTU204	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspegillus*	*NA*	0.853
OTU205	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillaceae*	*NA*	0.907
OTU206	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillaceae*	*NA*	0.821
OTU207	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillaceae*	*NA*	0.876
OTU208	Fungi	Basidiomycota	Exobasidiomycetes	Exobasidiales	Brachybasidiaceae	*Meira*	*Meira_nashicola*	1.000
OTU209	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Aigialaceae	*Posidoniomyces*	*Posidoniomyces_atricolor*	1.000
OTU210	Fungi	Basidiomycota	Tremellomycetes	Cystofilobasidiales	Mrakiaceae	*Tausonia*	*Tausonia_pullulans*	1.000
OTU211	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Aspergillus*	*Aspergillus_fumisynnematus*	0.961
OTU212	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Steccherinaceae	*Cabalodontia*	*unidentified*	1.000
OTU213	Fungi	Ascomycota	Leotiomycetes	Helotiales	Hyaloscyphaceae	*Hyaloscypha*	*unidentified*	0.990
OTU214	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Debaryomycetaceae	*Hyphopichia*	*Hyphopichia_pseudoburtonii*	1.000
OTU215	Fungi	Ascomycota	Leotiomycetes	Thelebolales	Thelebolaceae	*Thelebolus*	*Thelebolus_balaustiformis*	0.999
OTU216	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Teichosporaceae	*Teichospora*	*NA*	0.998
OTU217	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Dictyosporiaceae	*Pseudoconiothyrium*	*Pseudoconiothyrium_broussonetiae*	0.997
OTU218	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Trichocomaceae	*Talaromyces*	*Talaromyces_palmae*	0.999
OTU219	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	*Alternaria*	*NA*	1.000
OTU220	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Dictyosporiaceae	*Pseudoconiothyrium*	*Pseudoconiothyrium_broussonetiae*	0.703
OTU221	Fungi	Basidiomycota	Agaricomycetes	Russulales	Peniophoraceae	*Peniophora*	*Peniophora_lycii*	0.999
OTU222	Fungi	Ascomycota	Sordariomycetes	Microascales	Microascaceae	*Wardomycopsis*	*NA*	0.906
OTU223	Fungi	Ascomycota	Sordariomycetes	Ophiostomatales	Ophiostomataceae	*Sporothrix*	*unidentified*	0.999
OTU224	Fungi	Ascomycota	Sordariomycetes	Microascales	Microascaceae	*Scedosporium*	*NA*	0.997
OTU225	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Cordycipitaceae	*Beauveria*	*Beauveria_felina*	1.000
OTU226	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Phaeosphaeriaceae	*Leptospora*	*unidentified*	0.997
OTU227	Fungi	Ascomycota	Pezizomycotina_cls_Incertae_sedis	Pezizomycotina_ord_Incertae_sedis	Pezizomycotina_fam_Incertae_sedis	*unidentified*	*unidentified*	0.993

OTU228	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae	*Acrodontium*	*Acrodontium_hydnicola*	0.813
OTU229	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*Penicillium_ubiquetum*	0.995
OTU230	Fungi	Ascomycota	Dothideomycetes	Pleosporales	*NA*	*Pleosporales*	*NA*	1.000
OTU231	Fungi	Rozellomycota	Rozellomycotina_cls_Incertae_sedis	GS07	unidentified	*GS07*	*unidentified*	0.997
OTU232	Fungi	Ascomycota	Sordariomycetes	Glomerellales	Plectosphaerellaceae	*Verticillium*	*Verticillium_biguttatum*	0.928
OTU233	Fungi	Ascomycota	Sordariomycetes	Hypocreales	Nectriaceae	*Thyronectria*	*NA*	0.758
OTU234	Fungi	Ascomycota	Eurotiomycetes	Eurotiales	Aspergillaceae	*Penicillium*	*NA*	0.706
OTU235	Fungi	Ascomycota	Dothideomycetes	Pleosporales	unidentified	*unidentified*	*unidentified*	0.965
OTU236	Fungi	Ascomycota	Sordariomycetes	Sordariales	Lasiosphaeriaceae	*unidentified*	*unidentified*	0.987
OTU237	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Dipodascaceae	*Yarrowia*	*Yarrowia_lipolytica*	1.000
OTU238	Fungi	Ascomycota	Saccharomycetes	Saccharomycetales	Metschnikowiaceae	*Metschnikowia*	*Metschnikowia_bicuspidata*	0.930
OTU239	Fungi	Basidiomycota	Agaricomycetes	Polyporales	Meripilaceae	*Meripilaceae*	*NA*	0.990
OTU240	Fungi	Ascomycota	Eurotiomycetes	Onygenales	Gymnoascaceae	*unidentified*	*unidentified*	0.999
OTU241	Fungi	Ascomycota	Leotiomycetes	Helotiales	Dermateaceae	*Mollisia*	*Mollisia_amenticola*	0.993
OTU242	Fungi	Ascomycota	Leotiomycetes	Helotiales	Myxotrichaceae	*Oidiodendron*	*Oidiodendron_echinulatum*	0.998

Supplementary Table S4: Rare fungal taxa grouped under 'Others' category (relative abundance <2%). Frequency is determined by the sum of three biological replicates per samples type, encompassing abiotic matrices (seawater/sediment) and plant part (leaves/rhizomes/roots)

Rare fungal taxa	Seawater		Sediment		Leaves		Rhizomes/roots	
	P	I	P	I	P	I	P	I
Aspergillaceae	37	21	0	12	0	0	51	0
Meripilaceae	0	0	0	0	0	54	0	0
Thyridariaceae	0	0	14	65	0	145	0	269
Acremonium	0	0	0	0	0	0	27	78
Acrodontium	0	0	0	0	0	0	0	82
Acrostalagmus	0	0	49	20	0	0	0	0
Alternaria	0	22	0	0	11	0	0	0
Antennariella	0	0	73	0	0	0	0	0
Antrodiella	0	0	0	0	0	66	0	0
Arthropsis	0	0	27	0	0	0	0	0
Aureobasidium	0	0	0	0	0	60	0	0
Auxarthron	0	0	0	20	0	0	0	0
Beauveria	0	0	0	0	0	133	0	142
Biatriospora	0	0	0	0	0	0	18	0
Bjerkandera	0	0	0	0	0	0	0	0
Bovista	0	0	36	59	0	154	140	0
Brunneofusispora	0	0	50	15	0	0	0	279
Brunneomyces	0	0	0	0	0	91	0	0
Cabalodontia	0	0	0	0	0	0	0	212
Candida	0	0	0	0	0	161	0	122
Capronia	0	0	0	14	0	0	0	0
Cephalotrichum	0	0	0	0	26	0	0	0
Chaetomium	0	0	0	0	0	87	0	0
Chondrostereum	0	0	0	0	0	206	0	0
Chordomyces	0	0	0	11	0	0	0	0
Clonostachys	0	0	26	28	0	0	0	149
Coprinellus	0	0	0	0	0	0	0	60
Crepidotus	0	0	0	0	99	0	0	0

Cryptococcus	17	10	0	0	0	0	0	0
Cryptosphaeria	0	0	0	0	0	146	0	0
Cryptovalsa	0	0	0	0	0	0	0	42
Cytospora	0	0	0	0	0	0	51	0
Debaryomyces	0	0	0	0	0	0	0	118
Diatrype	32	0	0	0	0	0	0	0
Eutypa	0	0	0	0	0	0	0	64
Exophiala	0	0	0	14	0	156	84	17
Gamsia	0	0	13	0	0	0	0	0
Ganoderma	0	0	0	31	0	0	169	0
Geastrum	0	0	31	0	0	0	0	0
Gibellulopsis	0	0	76	48	0	0	0	0
Gliomastix	0	0	0	0	0	0	0	57
Golovinomyces	0	0	0	0	0	111	0	0
Humicola	0	0	0	0	0	70	0	0
Hyaloscypha	0	0	0	0	0	0	0	39
Hyphodermella	0	0	14	0	0	189	0	0
Hyphopichia	0	0	0	0	0	0	0	56
Kalmusia	0	0	0	24	0	0	0	43
Kondoa	43	0	0	0	0	0	0	0
Laburnicola	0	0	0	0	0	0	0	104
Leptobacillium	0	0	0	0	0	248	0	0
Leptospora	0	0	11	0	0	0	0	0
Lulwoana	0	0	40	0	0	0	71	0
Lulworthia	0	0	113	0	0	0	0	0
Malassezia	0	0	0	0	0	160	0	0
Massarina	0	0	0	0	0	0	0	185
Meira	0	0	0	0	14	143	0	0
Metarhizium	0	0	0	0	0	0	71	0
Metschnikowia	0	0	0	48	0	0	0	295
Meyerozyma	0	0	0	0	0	39	0	0
Microascospora	0	0	0	0	0	0	17	0
Microsphaeropsis	0	0	0	0	0	0	0	67
Mollisia	0	0	0	0	0	112	0	0

Monocillium	0	0	0	15	0	0	0	0
Nectriopsis	0	0	0	0	0	0	0	137
Neoroussoella	0	0	35	0	0	0	0	0
Nigrograna	0	0	12	13	0	0	98	51
Ogataea	0	0	0	39	0	0	0	0
Oidiodendron	0	0	0	0	0	0	0	25
Paralepista	0	14	0	0	0	0	0	0
Parasarocladium	0	0	0	121	0	0	0	0
Parathyridaria	0	0	37	49	0	0	0	49
Peroneutypa	0	0	0	19	0	0	22	67
Phaeosphaeria	0	0	28	0	0	0	0	0
Postia	0	0	0	0	0	236	0	0
Preussia	0	0	33	0	0	0	0	0
Pseudeurotium	0	0	18	40	0	0	0	159
Pseudocamarosporium	0	0	37	146	0	66	79	269
Pseudoconiothyrium	0	0	0	107	0	0	0	42
Pseudoneoconiothyrium	0	0	0	0	100	0	0	0
Purpureocillium	0	0	0	56	0	0	0	0
Resinicium	0	0	0	0	17	0	0	0
Rhizopus	0	0	0	0	0	0	0	85
Roussoella	0	0	19	18	0	0	43	0
Sarcinomyces	0	0	19	0	0	0	0	0
Sarocladium	0	0	0	31	0	0	0	0
Scedosporium	0	0	0	30	0	0	0	0
Sporobolomyces	0	19	0	0	0	0	0	0
Sporothrix	0	0	0	0	0	15	0	0
Stachybotrys	0	0	22	0	0	0	15	0
Stachylidium	0	0	26	0	0	0	0	0
Staphylotrichum	0	0	0	0	25	0	0	0
Stereum	0	0	0	0	0	66	0	0
Symmetrospora	0	0	0	0	0	122	0	0
Talaromyces	0	0	21	23	0	0	0	98
Tausonia	0	0	0	0	0	0	0	48
Teichospora	0	0	0	0	0	0	0	63

Thelebolus	0	0	0	0	0	0	24	0
Thermomyces	0	0	0	0	0	0	0	60
Thyronectria	0	0	0	27	0	0	0	0
Trichoderma	0	0	94	234	0	0	89	267
Trinosporium	0	0	0	0	0	0	0	114
Umbelopsis	0	0	0	0	0	0	0	166
unidentified	0	0	60	14	0	321	17	426
Vermiconia	0	0	0	0	0	0	0	18
Verticillium	0	0	0	0	0	0	105	0
Virgaria	0	0	0	0	0	0	0	27
Wallemia	0	0	25	43	0	0	44	0
Westerdykella	0	0	41	0	0	0	0	0
Wickerhamomyces	0	0	0	14	0	0	0	0
Xylodon	0	0	0	0	0	81	0	0
Yamadazyma	29	0	0	0	0	0	0	0
Yarrowia	0	0	0	0	0	111	0	0
Eurotiales	0	0	0	0	0	88	0	0
GS07	0	0	0	0	0	0	0	12
Pleosporales	0	0	0	0	0	0	0	123
tot. 'Others' frequency per sample type	158	86	1100	1448	292	**3637**	1235	**4786**
% 'Others' per sample type	3%	4%	7%	9%	4%	**15%**	4%	**13%**

Supplementary Table S5: The 175 OTUs classified based on their putative function through FUNGuild.

OTU n.	Taxon	Trophic mode	Guild	Confidence ranking	Citation source
OTU002	*Trichoderma*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Probable	Seehann G, et al. 1975; Andrews JH, et al. 1983; Hanada RE, et al. 2010. F; Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Irinyi L, et al. 2015; Busby PE, et al. 2016
OTU003	*Clonostachys*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU004	*Aureobasidium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Plant Pathogen-Undefined Saprotroph	Possible	Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Wachowska U, Głowacka K. 2014; Irinyia L, et al. 2016
OTU007	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU008	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU013	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU014	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU015	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU017	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU019	*Auxarthron*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU021	Didymosphaeriaceae	Pathotroph-Saprotroph-Symbiotroph	Endophyte-Lichen Parasite-Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU022	*Brunneofusispora*	Saprotroph	Wood Saprotroph	Probable	Põlme S, et al. 2020
OTU023	*Trichoderma*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Probable	Seehann G, et al. 1975; Andrews JH, et al. 1983; Hanada RE, et al. 2010. F; Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Irinyi L, et al. 2015; Busby PE, et al. 2016
OTU024	*Kalmusia*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014

OTU025	Didymosphaeriaceae	Pathotroph-Saprotroph-Symbiotroph	Endophyte-Lichen Parasite-Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU026	*Bjerkandera*	Saprotroph	Wood Saprotroph	Highly Probable	Gilbertson RL, Ryvarden L. 1987-1987
OTU027	*Fusarium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Lichen Parasite-Plant Pathogen-Soil Saprotroph-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU029	*Gibellulopsis*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU031	*Coprinellus*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU032	*Resinicium*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU033	*Rhizopus*	Pathotroph-Saprotroph	Plant Pathogen-Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU034	*Westerdykella*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU035	*Cryptococcus*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Undefined Saprotroph	Possible	Andrews JH, et al. 1983
OTU036	*Crepidotus*	Saprotroph	Wood Saprotroph	Highly Probable	Grgurinovic CA, Simpson JA. 2001; Aime MC, et al. 2005; Tedersoo L, et al. 2014
OTU037	*Wickerhamomyces*	Saprotroph	Undefined Saprotroph	Probable	Kurtzman CP, et al. 2008
OTU038	*Talaromyces*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU039	*Talaromyces*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU040	Debaryomyces	Saprotroph	Undefined Saprotroph	Highly Probable	Kurtzman CP, et al. 2008
OTU042	*Kernia*	Saprotroph	Dung Saprotroph-Undefined Saprotroph	Highly Probable	Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU043	*Xylodon*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU044	*Acrostalagmus*	Saprotroph-Symbiotroph	Endophyte-Undefined Saprotroph	Probable	Costa IPMW, et al. 2012; Tedersoo L, et al. 2014
OTU045	*Acremonium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU047	*Hortaea*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU049	*Clonostachys*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU050	Bionectriaceae	Pathotroph-Saprotroph	Algal Parasite-Bryophyte Parasite-Fungal Parasite-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU051	*Beauveria*	Pathotroph	Animal Pathogen	Probable	Tedersoo L, et al. 2014

OTU052	Didymosphaeriaceae	Pathotroph-Saprotroph-Symbiotroph	Endophyte-Lichen Parasite-Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU053	Didymosphaeriaceae	Pathotroph-Saprotroph-Symbiotroph	Endophyte-Lichen Parasite-Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU054	Didymosphaeriaceae	Pathotroph-Saprotroph-Symbiotroph	Endophyte-Lichen Parasite-Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU055	*Acrodontium*	Pathotroph	Plant Pathogen	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU057	Herpotrichiellaceae	Pathotroph-Saprotroph	Animal Pathogen-Fungal Parasite-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU058	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU061	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU062	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU063	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU064	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU066	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU069	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU070	Thermomyces	Pathotroph-Symbiotroph	Endophyte-Plant Pathogen	Possible	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU071	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU072	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014

OTU073	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU075	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU077	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU082	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU083	*Valsaceae*	Pathotroph-Saprotroph-Symbiotroph	Endophyte-Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU084	*Sarocladium*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU085	*Mycena*	Pathotroph-Saprotroph	Leaf Saprotroph-Plant Pathogen-Undefined Saprotroph-Wood Saprotroph	Probable	Grgurinovic CA, Simpson JA. 2001; Tedersoo L, et al. 2014
OTU086	*Mycena*	Pathotroph-Saprotroph	Leaf Saprotroph-Plant Pathogen-Undefined Saprotroph-Wood Saprotroph	Probable	Grgurinovic CA, Simpson JA. 2001; Tedersoo L, et al. 2014
OTU087	*Alternaria*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Plant Pathogen-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU088	*Fusarium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Lichen Parasite-Plant Pathogen-Soil Saprotroph-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU089	Didymellaceae	Pathotroph-Saprotroph	Animal Pathogen-Plant Pathogen-Undefined Saprotroph	Possible	Tedersoo L, et al. 2014
OTU090	Didymellaceae	Pathotroph-Saprotroph	Animal Pathogen-Plant Pathogen-Undefined Saprotroph	Possible	Tedersoo L, et al. 2014
OTU091	Didymellaceae	Pathotroph-Saprotroph	Animal Pathogen-Plant Pathogen-Undefined Saprotroph	Possible	Tedersoo L, et al. 2014
OTU092	Didymellaceae	Pathotroph-Saprotroph	Animal Pathogen-Plant Pathogen-Undefined Saprotroph	Possible	Tedersoo L, et al. 2014
OTU093	Didymellaceae	Pathotroph-Saprotroph	Animal Pathogen-Plant Pathogen-Undefined Saprotroph	Possible	Tedersoo L, et al. 2014
OTU094	*Candida*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Endosymbiont-Epiphyte-Soil Saprotroph-Undefined Saprotroph	Probable	Manolakaki D, et al. 2010; Mekbib SB, et al. 2011.
OTU095	*Antennariella*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014

OTU096	*Nigrospora*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU098	Trichomeriaceae	Symbiotroph	Epiphyte	Probable	Chomnunti P, et al. 2012
OTU099	*Brunneofusispora*	Saprotroph	Wood Saprotroph	Probable	Põlme S, et al. 2020
OTU101	*Brunneofusispora*	Saprotroph	Wood Saprotroph	Probable	Põlme S, et al. 2020
OTU102	*Massarina*	Pathotroph-Saprotroph	Plant Pathogen-Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU103	Plectosphaerellaceae	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU104	Tricholomataceae	Pathotroph-Symbiotroph	Ectomycorrhizal-Fungal Parasite	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU105	*Trichoderma*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Probable	Seehann G, et al. 1975; Andrews JH, et al. 1983; Hanada RE, et al. 2010. F; Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Irinyi L, et al. 2015; Busby PE, et al. 2016
OTU106	*Malassezia*	Pathotroph-Saprotroph	Animal Pathogen-Undefined Saprotroph	Probable	Kurtzman CP, et al. (eds.) 2011; Findley K, et al. 2013
OTU108	*Ganoderma*	Pathotroph-Saprotroph	Plant Pathogen-Wood Saprotroph	Highly Probable	Gilbertson RL, Ryvarden L. 1987-1987, Kirk PM. 2007
OTU109	*Ganoderma*	Pathotroph-Saprotroph	Plant Pathogen-Wood Saprotroph	Highly Probable	Gilbertson RL, Ryvarden L. 1987-1987, Kirk PM. 2007
OTU110	*Gliomastix*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU111	Agaricales	Pathotroph-Saprotroph-Symbiotroph	Bryophyte Parasite-Dung Saprotroph-Ectomycorrhizal-Fungal Parasite-Leaf Saprotroph-Plant Parasite-Undefined Saprotroph-Wood Saprotroph	Possible	Kirk PM et al. 2008
OTU112	Agaricales	Pathotroph-Saprotroph-Symbiotroph	Bryophyte Parasite-Dung Saprotroph-Ectomycorrhizal-Fungal Parasite-Leaf Saprotroph-Plant Parasite-Undefined Saprotroph-Wood Saprotroph	Possible	Kirk PM et al. 2008
OTU113	Agaricales	Pathotroph-Saprotroph-Symbiotroph	Bryophyte Parasite-Dung Saprotroph-Ectomycorrhizal-Fungal Parasite-Leaf Saprotroph-Plant Parasite-Undefined Saprotroph-Wood Saprotroph	Possible	Kirk PM et al. 2008
OTU114	*Bovista*	Saprotroph	Soil Saprotroph	Probable	Grgurinovic CA, Simpson JA. 2001; Tedersoo L, et al. 2014
OTU115	Diatrypaceae	Pathotroph-Saprotroph	Plant Pathogen-Plant Saprotroph	Probable	Cannon PF, Kirk PM. 2007
OTU116	*Eutypa*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU117	*Diatrype*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU119	*Umbelopsis*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014

OTU124	Didymellaceae	Pathotroph-Saprotroph	Animal Pathogen-Plant Pathogen-Undefined Saprotroph	Possible	Tedersoo L, et al. 2014
OTU125	*Rhodotorula*	Pathotroph-Saprotroph	Animal Endosymbiont-Animal Pathogen-Endophyte-Plant Pathogen-Undefined Saprotroph	Probable	https://www.cdc.gov ((https://www.cdc.gov))
OTU126	*Virgaria*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU127	*Monocillium*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU128	*Purpureocillium*	Pathotroph	Fungal Parasite	Probable	Tedersoo L, et al. 2014
OTU129	Thyridariaceae	Saprotroph	Wood Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU130	*Roussoella*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU131	Thyridariaceae	Saprotroph	Wood Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU132	Thyridariaceae	Saprotroph	Wood Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU133	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU134	*Arthropsis*	Pathotroph-Saprotroph	Animal Pathogen-Undefined Saprotroph	Probable	Giraldo A, et al. 2013
OTU136	*Geastrum*	Saprotroph	Undefined Saprotroph	Probable	Grgurinovic CA, Simpson JA. 2001; Cannon PF, Kirk PM. 2007; Tedersoo L, et al. 2014
OTU137	*Chondrostereum*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU138	*Lulwoana*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU139	*Herpotrichiellaceae*	Pathotroph-Saprotroph	Animal Pathogen-Fungal Parasite-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU140	*Heterobasidion*	Saprotroph	Wood Saprotroph	Highly Probable	Gilbertson RL, Ryvarden L. 1987-1987
OTU142	*Trichoderma*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Probable	Seehann G, et al. 1975; Andrews JH, et al. 1983; Hanada RE, et al. 2010. F; Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Irinyi L, et al. 2015; Busby PE, et al. 2016
OTU143	*Trichoderma*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Probable	Seehann G, et al. 1975; Andrews JH, et al. 1983; Hanada RE, et al. 2010. F; Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Irinyi L, et al. 2015; Busby PE, et al. 2016
OTU144	*Trichoderma*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Epiphyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Probable	Seehann G, et al. 1975; Andrews JH, et al. 1983; Hanada RE, et al. 2010. F; Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Irinyi L, et al. 2015; Busby PE, et al. 2016
OTU145	*Biatriospora*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Wood Saprotroph	Probable	Kolařík M, et al. 2017
OTU146	*Candida*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Endosymbiont-Epiphyte-Soil Saprotroph-Undefined Saprotroph	Probable	Manolakaki D, et al. 2010; Mekbib SB, et al. 2011

OTU147	*Pseudaleuria*	Saprotroph-Symbiotroph	Ectomycorrhizal-Undefined Saprotroph	Possible	Rinaldi AC, et al. 2008; Tedersoo L, et al. 2010
OTU148	*Lulworthia*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU149	Diatrypaceae	Pathotroph-Saprotroph	Plant Pathogen-Plant Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU158	*Hyphodermella*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU159	*Hyphodermella*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU160	Thyridariaceae	Saprotroph	Wood Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU161	Sporobolomyces	Pathotroph-Saprotroph	Fungal Parasite-Litter Saprotroph	Probable	Tedersoo L, et al. 2014
OTU162	Herpotrichiellaceae	Pathotroph-Saprotroph	Animal Pathogen-Fungal Parasite-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU163	Herpotrichiellaceae	Pathotroph-Saprotroph	Animal Pathogen-Fungal Parasite-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU164	Microascaceae	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Plant Pathogen-Undefined Saprotroph	Possible	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU165	Microascaceae	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Plant Pathogen-Undefined Saprotroph	Possible	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU166	*Stereum*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU168	*Metarhizium*	Pathotroph	Animal Pathogen	Probable	Tedersoo L, et al. 2014
OTU169	*Antrodiella*	Saprotroph	Wood Saprotroph	Highly Probable	Gilbertson RL, Ryvarden L. 1987-1987
OTU170	*Wallemia*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU171	*Wallemia*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU172	*Golovinomyces*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU173	Nectriaceae	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Fungal Parasite-Lichen Parasite-Plant Pathogen-Wood Saprotroph	Possible	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU174	*Fusarium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Lichen Parasite-Plant Pathogen-Soil Saprotroph-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU176	*Postia*	Saprotroph	Wood Saprotroph	Highly Probable	Jordan CR, et al. 1996
OTU182	*Fusarium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Lichen Parasite-Plant Pathogen-Soil Saprotroph-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU183	*Peroneutypa*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014

OTU184	Herpotrichiellaceae	Pathotroph-Saprotroph	Animal Pathogen-Fungal Parasite-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU185	Thyridariaceae	Saprotroph	Wood Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU186	*Roussoella*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU188	Thyridariaceae	Saprotroph	Wood Saprotroph	Probable	Cannon PF, Kirk PM. 2007; Massimo NC, et al. 2015
OTU189	Plectosphaerellaceae	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU190	*Acremonium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Fungal Parasite-Plant Pathogen-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU191	*Gibellulopsis*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU192	*Gibellulopsis*	Pathotroph	Plant Pathogen	Probable	Tedersoo L, et al. 2014
OTU193	*Preussia*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU194	*Nigrograna*	Pathotroph	Animal Pathogen	Probable	Tedersoo L, et al. 2014
OTU195	*Nigrograna*	Pathotroph	Animal Pathogen	Probable	Tedersoo L, et al. 2014
OTU196	*Pseudoconiothyrium*	Pathotroph	Plant Pathogen	Probable	Põlme S, et al. 2020
OTU197	*Phaeosphaeria*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU198	*Peniophora*	Pathotroph-Saprotroph	Plant Pathogen-Wood Saprotroph	Probable	Tedersoo L, et al. 2014
OTU199	*Peniophora*	Pathotroph-Saprotroph	Plant Pathogen-Wood Saprotroph	Probable	Tedersoo L, et al. 2014
OTU200	*Pseudeurotium*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU201	*Pseudeurotium*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU202	*Fusarium*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Lichen Parasite-Plant Pathogen-Soil Saprotroph-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU203	*Capronia*	Symbiotroph	Endophyte	Highly Probable	Tedersoo L, et al. 2014
OTU208	Brachybasidiaceae	Pathotroph	Plant Pathogen	Probable	Cannon PF, Kirk PM. 2007
OTU212	*Cabalodontia*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU213	*Hyaloscypha*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU215	*Thelebolus*	Saprotroph-Symbiotroph	Dung Saprotroph-Endophyte-Undefined Saprotroph	Probable	Bills GF, et al. 2013; Tedersoo L, et al. 2014; David AS, et al. 2016
OTU216	Teichosporaceae	Saprotroph	Undefined Saprotroph	Probable	Jaklitsch WM,et al. 2016
OTU217	*Pseudoconiothyrium*	Pathotroph	Plant Pathogen	Probable	Põlme S, et al. 2020
OTU218	*Talaromyces*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014

OTU219	*Alternaria*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Plant Pathogen-Wood Saprotroph	Possible	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU220	*Pseudoconiothyrium*	Pathotroph	Plant Pathogen	Probable	Põlme S, et al. 2020
OTU221	*Peniophora*	Pathotroph-Saprotroph	Plant Pathogen-Wood Saprotroph	Probable	Tedersoo L, et al. 2014
OTU223	*Sporothrix*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Plant Saprotroph-Soil Saprotroph	Probable	Dik AJ, et al. 1998
OTU224	*Scedosporium*	Saprotroph	Undefined Saprotroph	Probable	Tedersoo L, et al. 2014
OTU225	*Beauveria*	Pathotroph	Animal Pathogen	Probable	Tedersoo L, et al. 2014
OTU226	*Phaeosphaeriaceae*	Pathotroph-Saprotroph	Fungal Parasite-Plant Pathogen-Plant Saprotroph	Probable	Cannon PF, Kirk PM. 2007
OTU228	*Acrodontium*	Pathotroph	Plant Pathogen	Probable	The American Phytopathological Society Common NAmes of Plant Diseases
OTU229	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU232	*Verticillium*	Pathotroph-Symbiotroph	Endophyte-Fungal Parasite-Plant Pathogen	Probable	Costa IPMW, et al. 2012; Tedersoo L, et al. 2014; Wachowska U, Głowacka K. 2014; Irinyia L, et al. 2016
OTU233	*Nectriaceae*	Pathotroph-Saprotroph-Symbiotroph	Animal Pathogen-Endophyte-Fungal Parasite-Lichen Parasite-Plant Pathogen-Wood Saprotroph	Possible	Cannon PF, Kirk PM. 2007
OTU234	*Penicillium*	Saprotroph	Dung Saprotroph-Undefined Saprotroph-Wood Saprotroph	Highly Probable	Duncan CG, Eslyn WE. 1966; Seehann G, et al. 1975; Costa IPMW, et al. 2012; Bills GF, et al. 2013; Tedersoo L, et al. 2014
OTU236	Lasiosphaeriaceae	Saprotroph	Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007
OTU237	*Yarrowia*	Saprotroph	Undefined Saprotroph	Highly Probable	Kurtzman CP, et al. (eds.) 2011
OTU239	Meripilaceae	Pathotroph-Saprotroph	Plant Pathogen-Undefined Saprotroph	Probable	Cannon PF, Kirk PM. 2007
OTU240	Gymnoascaceae	Saprotroph	Dung Saprotroph-Plant Saprotroph	Probable	Cannon PF, Kirk PM. 2007
OTU241	*Mollisia*	Pathotroph-Symbiotroph	Endophyte-Plant Pathogen	Probable	James TY, et al. 2006; Tedersoo L, et al. 2014, Taylor DL, et al. 2014
OTU242	*Oidiodendron*	Pathotroph-Symbiotroph	Ericoid Mycorrhizal	Probable	Newsham KK. 2011