OTU	Heated adjusted pvalue	Bleached adjusted pvalue	Bleached + Heated adjusted pvalue	Heated l2fc	Bleached l2fc	Bleached + Heated l2fc	Phylum	Class	Order	Family	Genus
Otu01224	1.57E-06	6.00E-08	2.71E-05	9.847232822	10.79266169	8.36232019	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
Otu01296	0.000856922	0.000561011	0.005141682	10.04404043	10.45934919	8.232520837	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
Otu00322	6.42E-08	2.29E-09	2.21E-09	22.86585664	24.67060057	22.36474822	Bacteroidetes	Bacteroidia	Chitinophagales	Saprospiraceae	uncultured
Otu00734	8.50E-23	3.11E-22	2.80E-20	25.79903195	25.54192061	22.46096177	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00195	0.013386864	0.00193969	0.163719978	1.369049784	1.622337073	0.845563362	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas
Otu00002	0.004336786	0.000715469	0.120200566	1.292770944	1.468968919	0.775714091	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas
Otu00008	0.012939139	0.035693556	0.153825239	-1.15038439	-0.990836339	-0.723915892	Proteobacteria	Gammaproteobacteria	Cellvibrionales	Halieaceae	OM60
Otu00179	3.03E-06	0.717552218	3.63E-11	-8.977840531	1.002252708	-10.22923634	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00277	0.005073071	0.110479945	0.010219414	1.820452043	1.183562608	1.550819102	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	uncultured
Otu00048	0.00042511	0.386129529	0.000257098	1.560964377	0.591538296	1.434128075	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Aestuariibacter
Otu00853	0.006798514	1	0.000765194	9.519537909	0	10.36647892	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
Otu00058	0.048883543	0.931163267	0.302512595	-2.52361206	-0.482066258	-1.518716588	Bacteroidetes	Bacteroidia	Flavobacteriales	NS9_marine_group	NS9_marine_group_ge
Otu00823	NA	0.031179732	0.023655739	8.24000674	9.123083651	8.911697244	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
Otu01012	NA	0.015381298	0.997343993	-0.587243215	-6.975738423	0.518289667	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu01023	NA	0.015381298	0.997343993	-0.687454186	-6.963518469	0.238381381	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00419	NA	0.035693556	0.997343993	-1.158221028	-7.988865898	-0.928714273	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Litoricolaceae	Litoricola
Otu01027	NA	NA	NA	-1.88848212	-7.940230067	-2.034125724	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00251	NA	NA	NA	3.060033823	3.374630513	-1.262531859	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Marinobacterium
Otu00334	NA	NA	NA	1.747807596	2.125371669	-0.466164781	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00590	NA	NA	NA	0.405261262	3.449498837	0.913961921	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	uncultured
Otu00660	NA	NA	NA	24.67753244	25.18636193	20.43224732	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Amphritea
Otu00682	NA	NA	NA	-1.125497312	-7.505249022	-1.095319913	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Nitrincolaceae_unclassified
Otu00886	NA	NA	NA	10.86560394	10.16269518	8.202090458	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas
Otu00327	NA	0.075398398	0.038471134	7.309356596	8.193753569	8.464131894	Euryarchaeota	Thermoplasmata	Marine_Group_II	Marine_Group_II_fa	Marine_Group_II_ge
Otu00476	NA	0.931163267	0.036816121	-0.575524572	0.963578486	-8.258405214	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00988	NA	0.931163267	0.997343993	-0.635916566	-0.738271156	-0.164126611	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu01139	NA	0.941906395	0.997343993	-1.741397685	0.501820981	0.686723658	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Aestuariibacter
Otu01163	NA	0.959420103	0.997343993	-0.847291607	-0.476962989	-0.712268553	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Agaribacter
Otu01258	NA	0.090010579	0.853679818	-2.301468018	-8.253191608	-3.32275586	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Agaribacter
Otu01307	NA	0.546186871	0.536048968	1.720813377	2.670910972	2.734310686	Proteobacteria	Gammaproteobacteria	Cellvibrionales	Cellvibrionaceae	Umboniibacter
Otu00016	NA	0.26350177	0.161979995	-7.309673984	-7.885317528	-8.56105159	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_I	Clade_Ib
Otu01459	NA	1	0.085215831	0	0	9.115324903	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae_unclassified
Otu00184	NA	0.999312469	0.245692049	-6.706807263	-0.307467432	-7.958212965	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified

Otu01581	NA	1	0.997343993	-0.193433094	0.040729851	-0.485664221	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu01761	NA	1	0.997343993	-6.424341855	-0.050024234	-0.514027354	Bacteroidetes	Bacteroidia	Flavobacteriales	Cryomorphaceae	uncultured
Otu00022	NA	0.8431401	0.997343993	-1.110210692	-0.829830397	0.481767804	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	SAR116_clade_unclassified
Otu00222	NA	0.145811281	0.997343993	-7.749039373	-8.324643028	-2.78043979	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	Flavobacteriaceae_unclassified
Otu00023	NA	0.837435504	0.997343993	-1.174800125	-0.857240258	-0.597667688	Actinobacteria	Acidimicrobiia	Actinomarinales	Actinomarinaceae	Candidatus_Actinomarina
Otu00356	NA	0.931163267	0.997343993	-0.811495951	-0.889485134	0.217578411	Proteobacteria	Alphaproteobacteria	Rhizobiales	Stappiaceae	Labrenzia
Otu00395	NA	0.931163267	0.997343993	-1.062575938	0.67011076	0.490079667	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00423	NA	0.931163267	0.997343993	0.115197523	-0.898855182	0.60341746	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00455	NA	0.996338958	0.997343993	-0.864357981	-0.124267665	-0.92669588	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00507	NA	0.816754226	0.997343993	-1.45997772	-2.061429117	-0.643812981	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00508	NA	0.23904069	0.997343993	-0.553377131	-7.178294271	-0.341839676	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria_unclassified	Alphaproteobacteria_unclassified	Alphaproteobacteria_unclassified
Otu00604	NA	0.816754226	0.997343993	-1.318872691	-1.465148706	0.040340127	Proteobacteria	Alphaproteobacteria	Rhodospirillales	Terasakiellaceae	Terasakiella
Otu00610	NA	0.941906395	0.997343993	-0.140672059	-0.539293234	-0.013759769	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00626	NA	0.109618936	0.997343993	-2.067769953	-8.279883864	-2.542769707	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Neptuniibacter
Otu00687	NA	0.931163267	0.997343993	-0.444666493	0.670576067	-0.74704331	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00079	NA	0.931163267	0.997343993	-0.993641695	-0.996162738	-1.673393498	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Oleiphilaceae	Oleiphilus
Otu00731	NA	0.816754226	0.997343993	-0.798822042	-1.233271486	-0.453786534	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Marinobacterium
Otu00746	NA	0.816754226	0.997343993	-1.399097676	-1.428741156	-0.754133632	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00754	NA	0.999312469	0.997343993	-1.278808689	-0.23894364	-0.492098777	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Aestuariibacter
Otu00847	NA	0.999312469	0.997343993	-1.049063959	-0.130324896	-2.396139123	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00095	NA	0.187440685	0.997343993	-7.497171525	-8.072758528	-1.727314231	Proteobacteria	Gammaproteobacteria	Cellvibrionales	Halieaceae	OM60
Otu00649	0.065233476	0.034948803	0.011581861	1.985756711	2.101911452	2.205220625	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Thalassotalea
Otu00101	0.099973871	0.002285941	0.234525577	2.185078263	3.294200193	1.633946032	Bacteroidetes	Bacteroidia	Chitinophagales	Saprospiraceae	uncultured
Otu00181	0.69627657	0.035693556	0.825289484	0.777679188	2.221388853	0.908460509	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00027	0.502997039	0.001748299	0.245692049	-0.714321143	-1.943918868	-0.898704378	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Litoricolaceae	Litoricola
Otu00410	0.520079901	0.000561011	0.997343993	-1.991835073	-8.511628793	-0.632952773	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	Kordia
Otu00480	0.495008674	0.002075657	0.997343993	2.222815497	5.766700401	1.107160047	Bacteroidetes	Bacteroidia	Flavobacteriales	Cryomorphaceae	Phaeocystidibacter
Otu00075	0.116575213	0.005535059	0.068099299	2.552530067	3.699294535	2.545924273	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
Otu00085	0.168430135	0.004035638	0.163719978	1.965130057	3.203074746	1.797279721	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonas
Otu00802	0.825080317	5.56E-10	0.997343993	1.328142611	-19.63555197	1.188804472	Proteobacteria	Deltaproteobacteria	Bdellovibrionales	Bdellovibrionaceae	OM27_clade
Otu00009	0.394038388	0.007270622	0.997343993	-1.293968348	-2.496030483	0.162912968	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Methylophilaceae	OM43_clade

Otu00368	0.529884931	0.231526274	0.029464859	0.927913394	-1.38182967	1.855013862	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00457	0.805201058	0.941906395	0.000151366	-1.195502441	0.494594853	-8.927337169	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00686	0.964756238	0.663330615	0.02552918	0.234359488	1.952445776	-4.511709297	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonas
Otu00001	0.381036415	0.717552218	0.825289484	-0.876426519	-0.533276725	-0.543701698	Cyanobacteria	Oxyphotobacteria	Synechococcales	Cyanobiaceae	Synechococcus_CC9902
Otu00894	0.994638893	0.816754226	0.997343993	0.045675774	1.440533454	-0.301027647	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00897	0.815004967	0.853542384	0.997343993	-0.710348136	0.821585187	-0.328295517	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00109	0.75423241	0.462106663	0.997343993	-1.236399236	-2.214816925	-0.60771618	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Nitrincolaceae_unclassified
Otu00011	0.81361252	0.944210178	0.997343993	-1.509410359	-0.599592267	-0.882937083	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_I	Clade_Ia
Otu00110	0.406673715	0.155069283	0.997343993	-1.233260707	-1.612787621	-0.625197991	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Donghicola
Otu01024	0.938466661	0.663330615	0.997343993	0.765633325	3.206446229	1.336305237	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Catenovulum
Otu00012	0.815004967	0.931163267	0.997343993	-0.340929343	-0.250297106	-0.103322486	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thalassobius
Otu00013	0.165533303	0.944210178	0.997343993	1.841073912	-0.181917587	0.746853599	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	Olleya
Otu00131	0.121244671	0.110479945	0.153825239	9.602674377	9.473664791	8.488547811	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrionaceae_unclassified
Otu01153	0.964756238	0.766136119	0.997343993	-0.387927792	2.498530463	0.015976332	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonadaceae_unclassified
Otu00134	0.394038388	0.682236431	0.997343993	-2.015201479	-1.376780781	-0.891109576	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Neptuniibacter
Otu00014	0.805201058	0.931163267	0.997343993	-1.245800915	-0.990982569	0.235889654	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_I	Clade_Ia
Otu00147	0.520079901	0.816754226	0.997343993	-1.584622098	-0.967474311	-0.78069344	Proteobacteria	Gammaproteobacteria	Alteromonadales	Marinobacteraceae	Marinobacter
Otu01285	0.962585859	0.816754226	0.997343993	-0.493401827	1.72892678	0.37437313	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Pseudoalteromonadaceae_unclassified
Otu00161	0.923626892	0.996338958	0.997343993	-0.480943156	0.153159643	0.178386507	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Psychrosphaera
Otu00163	0.75423241	0.941906395	0.997343993	-1.068220396	-0.373861397	0.296938473	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00167	0.964756238	0.931163267	0.997343993	0.251435515	0.737706316	-0.460002935	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00017	0.630825576	0.931163267	0.997343993	-1.36454531	-0.578646568	-0.344813295	Proteobacteria	Alphaproteobacteria	SAR11_clade	Clade_II	Clade_II_ge
Otu00018	0.394038388	0.524952282	0.997343993	-1.092297532	-0.910053687	0.058942676	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	SAR116_clade_ge
Otu00186	0.801717483	0.816754226	0.997343993	-0.893518902	1.01474532	-0.265631458	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00019	0.964756238	0.931163267	0.997343993	0.053604235	0.196817754	0.4406271	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Nautella
Otu00189	0.805201058	0.999312469	0.997343993	-0.975494472	-0.079057306	0.421765348	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00199	0.801717483	0.931163267	0.997343993	-0.874766739	0.431535534	0.219948377	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thalassobius
Otu00205	0.964756238	0.816754226	0.997343993	0.319000179	-2.008357797	-1.320957474	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Neptuniibacter
Otu00227	0.394038388	0.789470449	0.997343993	-2.035154969	-1.104958069	-0.655289435	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00230	0.75423241	0.941906395	0.997343993	-2.020657589	0.700936588	-2.133421596	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00234	0.394038388	0.306223884	0.853679818	-2.31991559	-2.45837476	-1.490834101	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Nitrincolaceae_unclassified

Otu00024	0.679990349	0.999312469	0.997343993	-1.239855549	0.056074764	0.094122335	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	HIMB11
Otu00243	0.964756238	0.655572657	0.944319218	-0.130906349	1.654220562	-1.298336715	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriales_unclassified	Flavobacteriales_unclassified
Otu00247	0.630825576	0.941906395	0.997343993	0.858487428	0.232038828	-0.245931516	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00248	0.81361252	0.964665376	0.997343993	-0.566283314	-0.160514797	0.106085739	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00252	0.831501556	0.941906395	0.825289484	0.515433071	-0.263647114	1.155984062	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Psychrosphaera
Otu00263	0.831501556	0.187331272	0.302512595	-0.746964218	3.038031394	2.510263842	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	Tenacibaculum
Otu00268	0.65402218	0.964665376	0.997343993	-1.349302009	0.200228522	-0.439934141	Bacteroidetes	Bacteroidia	Flavobacteriales	NS9_marine_group	NS9_marine_group_ge
Otu00276	0.75423241	0.766136119	0.997343993	-1.068205299	1.266319314	0.218425104	Bacteroidetes	Bacteroidia	Flavobacteriales	NS9_marine_group	NS9_marine_group_ge
Otu00284	0.520079901	0.314364579	0.997343993	2.592457695	3.222382144	-0.691202236	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Nitrincolaceae_unclassified
Otu00289	0.801717483	0.835272942	0.997343993	-1.321766626	-1.334787873	-0.413835505	Proteobacteria	Alphaproteobacteria	Rhizobiales	Rhizobiaceae	Lentilitoribacter
Otu00290	0.964756238	0.766136119	0.997343993	-0.21674809	1.279006896	0.20764732	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00003	0.449599418	0.584706139	0.367784946	-0.968663371	-0.838699051	-0.997352693	Bacteroidetes	Bacteroidia	Flavobacteriales	Cryomorphaceae	uncultured
Otu00030	0.679990349	0.959420103	0.645113309	0.581070215	0.104949063	0.734842178	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00295	0.75423241	0.944210178	0.997343993	-1.12687942	0.297503728	-0.720288965	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00299	0.394038388	0.145811281	0.323657783	1.518084509	1.984872498	1.507955664	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00301	0.964756238	0.816754226	0.997343993	-0.163685736	1.001653407	0.244523496	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	uncultured
Otu00308	0.75423241	0.931163267	0.997343993	-1.03514458	-0.402579327	0.366641346	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00313	0.630825576	0.088612637	0.645113309	1.906177829	3.965959836	2.113668814	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	Tenacibaculum
Otu00034	0.529884931	0.734755148	0.997343993	-1.603847146	-1.247469734	-0.817749941	Proteobacteria	Alphaproteobacteria	Caulobacterales	Hyphomonadaceae	Hyphomonas
Otu00335	0.75423241	0.931163267	0.997343993	-1.566604152	-0.976816387	-0.14995221	Proteobacteria	Gammaproteobacteria	Vibrionales	Vibrionaceae	Vibrio
Otu00348	0.694182914	0.816754226	0.997343993	-1.841965288	-1.352884775	0.005397707	Proteobacteria	Gammaproteobacteria	Betaproteobacteriales	Methylophilaceae	OM43_clade
Otu00036	0.962585859	0.931163267	0.997343993	-0.127609963	0.171028174	0.250027182	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00038	0.630825576	0.816754226	0.997343993	-0.773462598	-0.529478362	-0.4500489	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Shimia
Otu00370	0.831501556	0.722338482	0.997343993	-0.589667935	1.290928206	-0.199134074	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00039	0.788219574	0.720371668	0.997343993	-0.976720266	-1.400927857	0.248708184	Proteobacteria	Alphaproteobacteria	Rhodospirillales	AEGEAN-169_marine_group	AEGEAN-169_marine_group_ge
Otu00004	0.768109682	0.931163267	0.997343993	-0.33004817	0.139657231	0.191222716	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	HIMB11
Otu00387	0.801717483	0.931163267	0.997343993	-0.986606314	-0.481429151	-0.007012365	Proteobacteria	Alphaproteobacteria	Alphaproteobacteria_unclassified	Alphaproteobacteria_unclassified	Alphaproteobacteria_unclassified
Otu00389	0.75423241	0.931163267	0.997343993	-0.986075742	-0.426452163	-0.390521402	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00041	0.218196094	0.941906395	0.997343993	-1.721748455	-0.211678136	-0.402134726	Bacteroidetes	Bacteroidia	Flavobacteriales	NS9_marine_group	NS9_marine_group_ge
Otu00397	0.75423241	0.777062029	0.997343993	1.34900832	1.462678552	0.440782092	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00404	0.81361252	0.999312469	0.997343993	-1.186647081	-0.102376509	0.121737876	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Ruegeria

Otu00043	0.69627657	0.944210178	0.997343993	-1.181494427	0.265582451	0.145403699	Bacteroidetes	Bacteroidia	Flavobacteriales	NS9_marine_group	NS9_marine_group_ge
Otu00044	0.964756238	1	0.997343993	0.051805533	-0.009975821	0.410578233	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Thalassobius
Otu00420	0.994359856	0.254205904	0.825289484	0.046377829	2.205291664	1.334462423	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Thalassotalea
Otu00047	0.65402218	0.931163267	0.997343993	-1.302601138	-0.564150024	0.248810241	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	SAR116_clade_ge
Otu00445	0.912352513	0.931163267	0.997343993	-0.704288439	-1.015562507	0.061030694	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00449	0.925139962	0.717552218	0.997343993	0.299262414	-1.002495479	-0.528345619	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00458	0.801717483	0.931163267	0.997343993	-1.297483893	-0.854455863	-0.11245222	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00005	0.630825576	0.931163267	0.645113309	-0.664200886	-0.263424415	-0.739128364	Cyanobacteria	Oxyphotobacteria	Synechococcales	Cyanobiaceae	Prochloroccus_MIT9313
Otu00481	0.886836243	0.931163267	0.997343993	-0.39442347	0.397228702	0.783870375	Proteobacteria	Gammaproteobacteria	Alteromonadales	Colwelliaceae	Thalassotalea
Otu00053	0.482047452	0.816754226	0.887488676	-1.463526698	-0.730306325	-1.000626189	Proteobacteria	Proteobacteria_unclassified	Proteobacteria_unclassified	Proteobacteria_unclassified	Proteobacteria_unclassified
Otu00499	0.964756238	0.999312469	0.997343993	-0.278912882	-0.122559524	0.594821806	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00500	0.81361252	0.931163267	0.997343993	-0.744601537	0.41450205	0.043516401	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00511	0.495008674	0.309153198	0.997343993	3.283725883	3.940992598	0.502795216	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Amphritea
Otu00055	0.964756238	0.931163267	0.881934693	0.337921255	1.432082128	2.550123688	Euryarchaeota	Thermoplasmata	Marine_Group_II	Marine_Group_II_fa	Marine_Group_II_ge
Otu00056	0.994777655	0.931163267	0.997343993	-0.003071832	-0.188975125	-0.150888952	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00057	0.292687261	0.931163267	0.997343993	1.72636128	0.422569663	-0.685064922	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	NS5_marine_group
Otu00006	0.429532159	0.931163267	0.997343993	1.030547516	-0.216913624	-0.30406563	Bacteroidetes	Bacteroidia	Flavobacteriales	Flavobacteriaceae	NS5_marine_group
Otu00060	0.805201058	0.78423847	0.997343993	-0.447017393	-0.640754 47	-0.07133124	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00565	0.85390493	0.766136119	0.997343993	-0.955151837	-2.142812125	0.008786852	Bacteria_unclassified	Bacteria_unclassified	Bacteria_unclassified	Bacteria_unclassified	Bacteria_unclassified
Otu00061	0.938466661	0.663330615	0.997343993	0.136766329	-0.574381409	-0.034403425	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00571	0.087919044	0.931163267	0.997343993	-8.752198579	-1.177065438	-2.164500881	Proteobacteria	Gammaproteobacteria	Cellvibrionales	Halieaceae	OM60
Otu00063	0.596554528	0.682236431	0.997343993	-2.261509895	-2.156327042	-0.372550617	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	SAR116_clade_ge
Otu00585	0.964756238	0.999312469	0.997343993	-0.451292184	-0.220119966	-1.149618959	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00589	0.630825576	0.494392982	0.997343993	2.63041571	3.285944344	0.383271309	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Nitrincolaceae	Amphritea
Otu00067	0.964756238	0.931163267	0.997343993	-0.358346019	0.709122337	0.431167957	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Rhodobacteraceae_unclassified
Otu00007	0.994638893	0.717552218	0.997343993	-0.013377915	0.839190484	-0.289178671	Proteobacteria	Gammaproteobacteria	Oceanospirillales	Saccharospirillaceae	Reinekea
Otu00664	0.815004967	0.347373495	0.997343993	0.719394142	2.119640156	0.878795505	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Aestuariibacter
Otu00721	0.831501556	0.807260026	0.997343993	1.249011395	2.233049307	2.006794233	Proteobacteria	Gammaproteobacteria	Alteromonadales	Pseudoalteromonadaceae	Psychrosphaera
Otu00083	0.577667459	0.722338482	0.997343993	-1.579899549	-1.309131447	-0.448378004	Proteobacteria	Alphaproteobacteria	Puniceispirillales	SAR116_clade	SAR116_clade_ge
Otu00801	0.815004967	0.816754226	0.997343993	1.13423132	-1.533110403	-1.16460734	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00818	0.992632864	0.816754226	0.997343993	0.067837716	1.089871 87	0.354811458	Proteobacteria	Gammaproteobacteria	Alteromonadales	Alteromonadaceae	Alteromonadaceae_unclassified
Otu00093	0.964756238	0.78423847	0.997343993	0.141511494	0.807787887	0.13497413	Proteobacteria	Alphaproteobacteria	Rhodobacterales	Rhodobacteraceae	Leisingera
Otu00862	0.925139962	0.78423847	0.997343993	0.438494487	1.258206435	1.192333004	Bacteroidetes	Bacteroidia	Cytophagales	Flammeovirgaceae	Flammeovirga