|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | -0.99083639 | -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 | -7.94023067 | -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 | -0.83869951 | -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 | 0.32365783 | 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 | Prochlorococcus\_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 | -0.64075447 | -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 | 1.08987187 | 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 |