| Timepoint | Taxonomic Level | Taxonomic Classification | T | p |
| --- | --- | --- | --- | --- |
| 3-5 | Class | Dinophyceae | 2.2 | 0.046 |
| 3-5 | Phylum | Dinoflagellata | 2.2 | 0.046 |
| 3-5 | ASV | ASV;53 | 2.8 | 0.024 |
| 3-5 | ASV | ASV;205 | 2.7 | 0.020 |
| 7-8 | Class | Bacteroidia | 2.9 | 0.019 |
| 7-8 | Class | Dinophyceae | 2.4 | 0.041 |
| 7-8 | Class | Ignavibacteria | 2.4 | 0.045 |
| 7-8 | Class | Intramacronucleata | 2.6 | 0.029 |
| 7-8 | Class | Oxyphotobacteria | 3.0 | 0.014 |
| 7-8 | Class | Phycisphaerae | 2.7 | 0.023 |
| 7-8 | Class | Planctomycetacia | 3.5 | 0.0055 |
| 7-8 | Class | Thermoleophilia | 3.4 | 0.0062 |
| 7-8 | Family | Colwelliaceae | 2.8 | 0.025 |
| 7-8 | Family | Cyanobiaceae | 3.0 | 0.014 |
| 7-8 | Family | Gymnodiniphycidae\_fa | 2.7 | 0.030 |
| 7-8 | Family | Methylophilaceae | 3.4 | 0.011 |
| 7-8 | Family | Microscillaceae | 2.6 | 0.037 |
| 7-8 | Family | Moraxellaceae | 2.8 | 0.026 |
| 7-8 | Family | Mycobacteriaceae | 3.4 | 0.012 |
| 7-8 | Family | Pedosphaeraceae | 2.4 | 0.036 |
| 7-8 | Family | Phycisphaeraceae | 2.9 | 0.019 |
| 7-8 | Family | Pirellulaceae | 3.7 | 0.0044 |
| 7-8 | Family | Pseudoalteromonadaceae | 2.8 | 0.022 |
| 7-8 | Family | Rhizobiaceae | 2.5 | 0.029 |
| 7-8 | Family | Shewanellaceae | 2.4 | 0.042 |
| 7-8 | Family | Vibrionaceae | 2.4 | 0.046 |
| 7-8 | Genus | Allorhizobium-Neorhizobium-Pararhizobium-Rhizobium | 2.8 | 0.019 |
| 7-8 | Genus | Blastopirellula | 2.8 | 0.024 |
| 7-8 | Genus | CL500-3 | 2.9 | 0.020 |
| 7-8 | Genus | Cyanobium\_PCC-6307 | 3.0 | 0.014 |
| 7-8 | Genus | Flavobacterium | 2.4 | 0.037 |
| 7-8 | Genus | Gyrodinium | 2.7 | 0.030 |
| 7-8 | Genus | Mycobacterium | 3.4 | 0.012 |
| 7-8 | Genus | Pseudoalteromonas | 3.0 | 0.017 |
| 7-8 | Genus | SCGC\_AAA164-E04 | 3.1 | 0.018 |
| 7-8 | Genus | SM1A02 | 2.3 | 0.047 |
| 7-8 | Genus | Shewanella | 2.4 | 0.042 |
| 7-8 | Order | Ardenticatenales | 2.6 | 0.034 |
| 7-8 | Order | Bacteroidales | 3.3 | 0.014 |
| 7-8 | Order | Chitinophagales | 2.4 | 0.043 |
| 7-8 | Order | Flavobacteriales | 2.4 | 0.038 |
| 7-8 | Order | Gymnodiniphycidae | 2.4 | 0.040 |
| 7-8 | Order | Pedosphaerales | 2.4 | 0.036 |
| 7-8 | Order | Phycisphaerales | 2.9 | 0.019 |
| 7-8 | Order | Pirellulales | 3.7 | 0.0044 |
| 7-8 | Order | Rhizobiales | 2.6 | 0.027 |
| 7-8 | Order | Synechococcales | 3.0 | 0.014 |
| 7-8 | Order | Vibrionales | 2.4 | 0.046 |
| 7-8 | Phylum | Actinobacteria | 2.4 | 0.032 |
| 7-8 | Phylum | Bacteroidetes | 2.9 | 0.019 |
| 7-8 | Phylum | Ciliophora | 2.7 | 0.029 |
| 7-8 | Phylum | Cyanobacteria | 4.0 | 0.0024 |
| 7-8 | Phylum | Dinoflagellata | 2.4 | 0.041 |
| 7-8 | Phylum | Planctomycetes | 3.4 | 0.0077 |
| 7-8 | ASV | CL500-3;119 | 2.5 | 0.037 |
| 7-8 | ASV | Cyanobium\_PCC-6307;40 | 2.4 | 0.045 |
| 7-8 | ASV | Gyrodinium;787 | 2.9 | 0.024 |
| 7-8 | ASV | Isosphaeraceae;276 | 2.7 | 0.029 |
| 7-8 | ASV | Mycobacterium;153 | 4.0 | 0.0052 |
| 7-8 | ASV | Pirellulaceae;168 | 2.6 | 0.028 |
| 7-8 | ASV | Pirellulaceae;267 | 2.9 | 0.022 |
| 7-8 | ASV | Pirellulaceae;38 | 3.7 | 0.0077 |
| 7-8 | ASV | Pirellulaceae;44 | 2.4 | 0.036 |
| 7-8 | ASV | Shewanella;59 | 2.4 | 0.047 |
| 10-12 | Class | Acidimicrobiia | 2.3 | 0.048 |
| 10-12 | Class | Anaerolineae | 2.4 | 0.040 |
| 10-12 | Class | Chlorodendrophyceae | 2.8 | 0.022 |
| 10-12 | Class | Ignavibacteria | 2.4 | 0.039 |
| 10-12 | Class | Nitrospira | 2.7 | 0.028 |
| 10-12 | Class | Rhabditophora | 2.6 | 0.031 |
| 10-12 | Class | Thermoanaerobaculia | 2.3 | 0.047 |
| 10-12 | Family | Alcanivoracaceae | 3.8 | 0.0056 |
| 10-12 | Family | Anaerolineaceae | 2.4 | 0.041 |
| 10-12 | Family | BIrii41 | 2.4 | 0.043 |
| 10-12 | Family | Chlorodendrales\_fa | 2.8 | 0.022 |
| 10-12 | Family | Chthoniobacteraceae | 2.3 | 0.048 |
| 10-12 | Family | Coxiellaceae | 2.3 | 0.048 |
| 10-12 | Family | Crocinitomicaceae | 2.8 | 0.023 |
| 10-12 | Family | Devosiaceae | 2.6 | 0.032 |
| 10-12 | Family | Geminicoccaceae | 2.8 | 0.024 |
| 10-12 | Family | Gimesiaceae | 2.4 | 0.045 |
| 10-12 | Family | Halieaceae | 2.3 | 0.047 |
| 10-12 | Family | Ilumatobacteraceae | 2.5 | 0.037 |
| 10-12 | Family | Isosphaeraceae | 2.6 | 0.029 |
| 10-12 | Family | Kiloniellaceae | 2.5 | 0.036 |
| 10-12 | Family | Kordiimonadaceae | 3.2 | 0.013 |
| 10-12 | Family | Melioribacteraceae | 2.9 | 0.019 |
| 10-12 | Family | Microscillaceae | 2.5 | 0.036 |
| 10-12 | Family | NS9\_marine\_group | 2.4 | 0.043 |
| 10-12 | Family | Nitrosomonadaceae | 2.4 | 0.046 |
| 10-12 | Family | Nitrospiraceae | 2.7 | 0.028 |
| 10-12 | Family | P3OB-42 | 3.0 | 0.018 |
| 10-12 | Family | Parvularculaceae | 2.6 | 0.034 |
| 10-12 | Family | Pedosphaeraceae | 2.5 | 0.037 |
| 10-12 | Family | Sandaracinaceae | 2.5 | 0.038 |
| 10-12 | Family | Shewanellaceae | 2.3 | 0.049 |
| 10-12 | Family | Simkaniaceae | 2.6 | 0.032 |
| 10-12 | Family | Stappiaceae | 2.7 | 0.026 |
| 10-12 | Family | Thermoanaerobaculaceae | 2.3 | 0.047 |
| 10-12 | Family | cvE6 | 2.3 | 0.048 |
| 10-12 | Genus | Albimonas | 2.4 | 0.043 |
| 10-12 | Genus | Alcanivorax | 3.8 | 0.0056 |
| 10-12 | Genus | Alteromonas | 2.4 | 0.044 |
| 10-12 | Genus | Azoarcus | 2.4 | 0.042 |
| 10-12 | Genus | CL500-29\_marine\_group | 2.8 | 0.023 |
| 10-12 | Genus | CL500-3 | 2.7 | 0.025 |
| 10-12 | Genus | Candidatus\_Nitrosopumilus | 2.4 | 0.042 |
| 10-12 | Genus | Cothurnia | 2.3 | 0.047 |
| 10-12 | Genus | Coxiella | 2.3 | 0.048 |
| 10-12 | Genus | Crocinitomix | 2.7 | 0.029 |
| 10-12 | Genus | Devosia | 2.9 | 0.019 |
| 10-12 | Genus | Flavobacterium | 3.0 | 0.017 |
| 10-12 | Genus | Fluviicola | 2.6 | 0.032 |
| 10-12 | Genus | Francisella | 2.9 | 0.019 |
| 10-12 | Genus | Frigidibacter | 2.5 | 0.034 |
| 10-12 | Genus | Hyphobacterium | 2.5 | 0.037 |
| 10-12 | Genus | IheB3-7 | 2.9 | 0.021 |
| 10-12 | Genus | Kordiimonas | 3.2 | 0.013 |
| 10-12 | Genus | LD29 | 2.3 | 0.048 |
| 10-12 | Genus | Labrenzia | 2.5 | 0.034 |
| 10-12 | Genus | Litorimicrobium | 3.0 | 0.018 |
| 10-12 | Genus | Nitrospira | 2.7 | 0.028 |
| 10-12 | Genus | Pir4\_lineage | 2.7 | 0.027 |
| 10-12 | Genus | Pirellula | 2.3 | 0.047 |
| 10-12 | Genus | Planctomicrobium | 2.5 | 0.034 |
| 10-12 | Genus | Pseudoalteromonas | 2.7 | 0.028 |
| 10-12 | Genus | Rhodobacter | 2.6 | 0.031 |
| 10-12 | Genus | Salinihabitans | 2.4 | 0.042 |
| 10-12 | Genus | Shewanella | 2.3 | 0.049 |
| 10-12 | Genus | Shinella | 2.5 | 0.035 |
| 10-12 | Genus | Subgroup\_10 | 2.3 | 0.047 |
| 10-12 | Genus | Tamlana | 3.0 | 0.016 |
| 10-12 | Genus | Tetraselmis | 2.8 | 0.022 |
| 10-12 | Order | AT-s2-59 | 2.4 | 0.046 |
| 10-12 | Order | Anaerolineales | 2.4 | 0.041 |
| 10-12 | Order | Ardenticatenales | 2.4 | 0.043 |
| 10-12 | Order | CCM11a | 3.0 | 0.017 |
| 10-12 | Order | Chlorodendrales | 2.8 | 0.022 |
| 10-12 | Order | Chromatiales | 2.9 | 0.021 |
| 10-12 | Order | Coxiellales | 2.3 | 0.048 |
| 10-12 | Order | Ga0077536 | 2.5 | 0.035 |
| 10-12 | Order | Ignavibacteriales | 2.9 | 0.019 |
| 10-12 | Order | Isosphaerales | 2.6 | 0.029 |
| 10-12 | Order | KI89A\_clade | 2.4 | 0.042 |
| 10-12 | Order | Kordiimonadales | 2.8 | 0.022 |
| 10-12 | Order | MBAE14 | 2.9 | 0.021 |
| 10-12 | Order | Microtrichales | 2.5 | 0.037 |
| 10-12 | Order | Myxococcales | 2.5 | 0.035 |
| 10-12 | Order | NB1-j | 2.5 | 0.036 |
| 10-12 | Order | Nitrospirales | 2.7 | 0.028 |
| 10-12 | Order | Oligoflexales | 2.4 | 0.040 |
| 10-12 | Order | Parvibaculales | 2.6 | 0.028 |
| 10-12 | Order | Pedosphaerales | 2.5 | 0.037 |
| 10-12 | Order | Polycladida | 2.6 | 0.031 |
| 10-12 | Order | Rhizobiales | 2.3 | 0.047 |
| 10-12 | Order | Rhodovibrionales | 2.5 | 0.036 |
| 10-12 | Order | Sphingobacteriales | 2.4 | 0.044 |
| 10-12 | Order | Thermoanaerobaculales | 2.3 | 0.047 |
| 10-12 | Order | Tistrellales | 2.8 | 0.024 |
| 10-12 | Phylum | Chloroflexi | 2.4 | 0.043 |
| 10-12 | Phylum | Chlorophyta\_ph | 2.4 | 0.038 |
| 10-12 | Phylum | Cyanobacteria | 2.3 | 0.046 |
| 10-12 | Phylum | Nitrospirae | 2.7 | 0.028 |
| 10-12 | Phylum | Platyhelminthes | 2.6 | 0.031 |
| 10-12 | ASV | Acanthopleuribacter;1655 | 3.1 | 0.015 |
| 10-12 | ASV | Alteromonadaceae;8 | 2.5 | 0.038 |
| 10-12 | ASV | Alteromonas;268 | 2.3 | 0.049 |
| 10-12 | ASV | Amphiplicatus;350 | 2.5 | 0.035 |
| 10-12 | ASV | Ardenticatenales;1533 | 2.6 | 0.029 |
| 10-12 | ASV | Ardenticatenales;1590 | 2.4 | 0.040 |
| 10-12 | ASV | Azoarcus;139 | 2.5 | 0.039 |
| 10-12 | ASV | Bradymonadales;307 | 2.5 | 0.038 |
| 10-12 | ASV | CL500-29\_marine\_group;186 | 2.4 | 0.042 |
| 10-12 | ASV | CL500-3;119 | 2.3 | 0.049 |
| 10-12 | ASV | Calorithrix;718 | 2.6 | 0.032 |
| 10-12 | ASV | Candidatus\_Nitrosopumilus;247 | 2.6 | 0.032 |
| 10-12 | ASV | Chitinophagales;80 | 2.3 | 0.050 |
| 10-12 | ASV | Coxiella;1486 | 2.6 | 0.031 |
| 10-12 | ASV | Cryomorphaceae;1105 | 2.4 | 0.045 |
| 10-12 | ASV | Cryomorphaceae;504 | 2.9 | 0.021 |
| 10-12 | ASV | Defluviimonas;277 | 2.4 | 0.045 |
| 10-12 | ASV | Devosia;334 | 2.5 | 0.036 |
| 10-12 | ASV | Flavobacteriaceae;171 | 2.6 | 0.033 |
| 10-12 | ASV | Flavobacteriaceae;223 | 2.7 | 0.025 |
| 10-12 | ASV | Flavobacteriaceae;830 | 2.8 | 0.022 |
| 10-12 | ASV | Flavobacteriaceae;86 | 2.4 | 0.042 |
| 10-12 | ASV | Flavobacterium;121 | 2.5 | 0.039 |
| 10-12 | ASV | Flavobacterium;255 | 2.4 | 0.045 |
| 10-12 | ASV | Flavobacterium;41 | 2.5 | 0.038 |
| 10-12 | ASV | Fluviicola;55 | 2.3 | 0.048 |
| 10-12 | ASV | Francisella;1454 | 3.1 | 0.014 |
| 10-12 | ASV | Frigidibacter;905 | 2.5 | 0.034 |
| 10-12 | ASV | Ga0077536;807 | 2.4 | 0.043 |
| 10-12 | ASV | Gimesiaceae;222 | 2.7 | 0.028 |
| 10-12 | ASV | Gimesiaceae;349 | 2.4 | 0.046 |
| 10-12 | ASV | Hahella;1417 | 2.9 | 0.015 |
| 10-12 | ASV | Isosphaeraceae;276 | 2.7 | 0.027 |
| 10-12 | ASV | KI89A\_clade;1573 | 2.7 | 0.029 |
| 10-12 | ASV | Leisingera;75 | 3.0 | 0.016 |
| 10-12 | ASV | Microscillaceae;1476 | 2.5 | 0.039 |
| 10-12 | ASV | NS9\_marine\_group;360 | 2.5 | 0.038 |
| 10-12 | ASV | NS9\_marine\_group;722 | 2.3 | 0.050 |
| 10-12 | ASV | Nitrincolaceae;122 | 2.7 | 0.024 |
| 10-12 | ASV | Nitrospira;1551 | 2.8 | 0.024 |
| 10-12 | ASV | Nitrospira;763 | 3.0 | 0.018 |
| 10-12 | ASV | Oligohymenophorea;679 | 2.2 | 0.046 |
| 10-12 | ASV | P3OB-42;1046 | 2.6 | 0.033 |
| 10-12 | ASV | Paracoccus;389 | 2.8 | 0.024 |
| 10-12 | ASV | Parvibaculales;2169 | 2.4 | 0.042 |
| 10-12 | ASV | Phaeodactylibacter;220 | 2.4 | 0.042 |
| 10-12 | ASV | Phycisphaeraceae;619 | 2.4 | 0.041 |
| 10-12 | ASV | Pir4\_lineage;2552 | 2.4 | 0.042 |
| 10-12 | ASV | Pirellula;1114 | 2.6 | 0.033 |
| 10-12 | ASV | Pirellulaceae;44 | 2.5 | 0.037 |
| 10-12 | ASV | Planctomycetales;1034 | 2.4 | 0.041 |
| 10-12 | ASV | Ploimida;82 | 2.3 | 0.048 |
| 10-12 | ASV | Polaribacter;329 | 2.5 | 0.034 |
| 10-12 | ASV | Polaribacter;785 | 2.6 | 0.034 |
| 10-12 | ASV | Polycladida;316 | 2.5 | 0.034 |
| 10-12 | ASV | Polycladida;423 | 3.6 | 0.0068 |
| 10-12 | ASV | Polycladida;564 | 2.6 | 0.031 |
| 10-12 | ASV | Polycladida;6 | 2.6 | 0.032 |
| 10-12 | ASV | Pseudoalteromonas;265 | 2.5 | 0.040 |
| 10-12 | ASV | Pseudomonas;127 | 2.8 | 0.023 |
| 10-12 | ASV | Pseudomonas;152 | 2.3 | 0.049 |
| 10-12 | ASV | Pseudomonas;257 | 2.4 | 0.042 |
| 10-12 | ASV | Rheinheimera;130 | 2.3 | 0.050 |
| 10-12 | ASV | Rhodobacteraceae;231 | 2.4 | 0.043 |
| 10-12 | ASV | Rhodobacteraceae;603 | 2.8 | 0.022 |
| 10-12 | ASV | SM1A02;474 | 2.4 | 0.046 |
| 10-12 | ASV | SM1A02;620 | 3.2 | 0.013 |
| 10-12 | ASV | SM1A02;780 | 2.4 | 0.041 |
| 10-12 | ASV | Sandaracinaceae;467 | 2.5 | 0.037 |
| 10-12 | ASV | Saprospiraceae;1120 | 2.5 | 0.038 |
| 10-12 | ASV | Tamlana;106 | 3.0 | 0.017 |
| 10-12 | ASV | Tetraselmis;1282 | 2.8 | 0.022 |
| 10-12 | ASV | Unknown\_Family;921 | 2.4 | 0.037 |