

| | level | taxon | stat | p.value |
|-----|--------|------------------------------------|-----------|---------|
| 1 | Genus | Acinetobacter | 0.7529641 | 0.005 |
| 2 | Genus | Teleostei | 0.7187536 | 0.005 |
| 3 | Genus | Subgroup_10 | 0.6959503 | 0.005 |
| 4 | Family | Anaerolineaceae | 0.6817361 | 0.005 |
| 5 | Family | Sandaracinaceae | 0.6799023 | 0.005 |
| 6 | Order | Syntrophobacterales | 0.6670914 | 0.005 |
| 7 | Order | Gammaproteobacteria_Incertae_Sedis | 0.6466141 | 0.005 |
| 8 | Genus | OM60(NOR5)_clade | 0.6333239 | 0.005 |
| 9 | Domain | Bacteria | 0.6147392 | 0.005 |
| 10 | Family | Pirellulaceae | 0.6144168 | 0.005 |
| 11 | Genus | Roseibacillus | 0.6130948 | 0.005 |
| 12 | Genus | Massilia | 0.6128106 | 0.005 |
| 13 | Genus | Sva0081_sediment_group | 0.6098702 | 0.005 |
| 14 | Genus | NB1-j | 0.6033284 | 0.005 |
| 15 | Class | Gammaproteobacteria | 0.5941764 | 0.005 |
| 16 | Order | Actinomarinales | 0.5892249 | 0.005 |
| 17 | Genus | UBA10353_marine_group | 0.5874711 | 0.005 |
| 18 | Genus | Psychromonas | 0.5858853 | 0.005 |
| 19 | Genus | Psychrobacter | 0.5843744 | 0.005 |
| 20 | Genus | Sva0485 | 0.5836215 | 0.005 |
| 21 | Class | Bacilli | 0.5824824 | 0.005 |
| 22 | Genus | P9X2b3D02 | 0.5824824 | 0.005 |
| 23 | Genus | Rubripirellula | 0.5802134 | 0.025 |
| 24 | Family | Flavobacteriaceae | 0.5758805 | 0.005 |
| 25 | Genus | Thiogranum | 0.5580081 | 0.005 |
| 26 | Genus | Bacteroidetes_BD2-2 | 0.5422827 | 0.005 |
| 27 | Genus | PAUC43f_marine_benthic_group | 0.5351137 | 0.005 |
| 28 | Genus | Persicirhabdus | 0.5168266 | 0.005 |
| 29 | Family | Flavobacteriaceae | 0.5132112 | 0.005 |
| 30 | Family | Halieaceae | 0.5097024 | 0.005 |
| 31 | Genus | Fusibacter | 0.5094626 | 0.005 |
| 32 | Family | Desulfovibrionaceae | 0.5015231 | 0.005 |
| 33 | Genus | Desulfotalea | 0.5000000 | 0.005 |
| 34 | Family | Kiloniellaceae | 0.4988186 | 0.005 |
| 35 | Family | Desulfobulbaceae | 0.4941870 | 0.005 |
| 36 | Family | Saprospiraceae | 0.4858089 | 0.010 |
| 37 | Genus | Fluviicola | 0.4808941 | 0.005 |
| 38 | Order | Desulfobacterales | 0.4777463 | 0.005 |
| 39 | Genus | Halarcobacter | 0.4746942 | 0.010 |
| 40 | Genus | Subgroup_23 | 0.4703640 | 0.005 |
| 41 | Genus | B2M28 | 0.4663604 | 0.010 |
| 42 | Genus | Sedimentitalea | 0.4575543 | 0.005 |
| 43 | Genus | Chaetoceros | 0.4552690 | 0.005 |
| 44 | Genus | Brevundimonas | 0.4519152 | 0.015 |
| 45 | Genus | Salinimonas | 0.4487962 | 0.005 |
| 46 | Genus | Ralstonia | 0.4484912 | 0.010 |
| 47 | Genus | Lawsonella | 0.4405974 | 0.010 |
| 48 | Genus | Alcanivorax | 0.4404971 | 0.005 |
| 49 | Genus | Salinimicrobium | 0.4371067 | 0.005 |
| 50 | Genus | Ulvibacter | 0.4324905 | 0.010 |
| 51 | Genus | SAR86_clade | 0.4321302 | 0.020 |
| 52 | Genus | Aminicenantales | 0.4315988 | 0.005 |
| 53 | Family | Hyphomonadaceae | 0.4299155 | 0.005 |
| 54 | Genus | Salegentibacter | 0.4279062 | 0.005 |
| 55 | Family | Cyclobacteriaceae | 0.4254679 | 0.005 |
| 56 | Class | Thermodesulfovibrionia | 0.4225771 | 0.005 |
| 57 | Genus | Sva1033 | 0.4201433 | 0.005 |
| 58 | Genus | Marixanthomonas | 0.4083225 | 0.005 |
| 59 | Genus | Candidatus_Nitrosopumilus | 0.4015302 | 0.005 |
| 60 | Genus | Schekmanbacteria | 0.4008919 | 0.005 |
| 61 | Genus | Roseimarinus | 0.4008919 | 0.005 |
| 62 | Family | Rhodothermaceae | 0.4008919 | 0.005 |
| 63 | Genus | SEEP-SRB1 | 0.4008919 | 0.005 |
| 64 | Genus | Colwellia | 0.3996276 | 0.010 |
| 65 | Genus | SAR92_clade | 0.3952969 | 0.005 |
| 66 | Family | Hyphomicrobiaceae | 0.3949522 | 0.010 |
| 67 | Genus | SBR1031 | 0.3940194 | 0.010 |
| 68 | Genus | 2013Ark19i | 0.3829904 | 0.020 |
| 69 | Family | Comamonadaceae | 0.3796029 | 0.030 |
| 70 | Genus | Marinobacter | 0.3773690 | 0.015 |
| 71 | Genus | Chryseobacterium | 0.3763621 | 0.020 |
| 72 | Genus | Pseudofulvibacter | 0.3754906 | 0.010 |
| 73 | Genus | Sphingobium | 0.3748607 | 0.010 |
| 74 | Genus | Dadabacteriales | 0.3713641 | 0.005 |
| 75 | Genus | Coraliomargarita | 0.3653485 | 0.025 |
| 76 | Genus | Hellea | 0.3627556 | 0.015 |
| 77 | Order | Bacteroidales | 0.3550262 | 0.010 |
| 78 | Genus | Treponema | 0.3537014 | 0.025 |
| 79 | Genus | WCHB1-81 | 0.3535534 | 0.005 |
| 80 | Genus | Lewinella | 0.3527268 | 0.005 |
| 81 | Genus | pltb-vmat-80 | 0.3514077 | 0.020 |
| 82 | Genus | Actinomyces | 0.3477806 | 0.015 |
| 83 | Genus | Subgroup_9 | 0.3403752 | 0.020 |
| 84 | Family | Ectothiorhodospiraceae | 0.3401194 | 0.045 |
| 85 | Genus | Subgroup_21 | 0.3273268 | 0.010 |
| 86 | Genus | Lysobacter | 0.3225719 | 0.015 |
| 87 | Genus | Candidatus_Fritschea | 0.3202210 | 0.045 |
| 88 | Genus | Nitrospira | 0.3187989 | 0.030 |
| 89 | Genus | Subgroup_17 | 0.3183657 | 0.010 |
| 90 | Genus | Maritalea | 0.3134107 | 0.010 |
| 91 | Genus | WCHB1-41 | 0.3128023 | 0.010 |
| 92 | Genus | Mesonia | 0.3097838 | 0.020 |
| 93 | Genus | Octadecabacter | 0.3053988 | 0.020 |
| 94 | Genus | Sediminispirochaeta | 0.2988072 | 0.030 |
| 95 | Genus | Hahella | 0.2984638 | 0.045 |
| 96 | Genus | 4572-13 | 0.2970875 | 0.015 |
| 97 | Class | Lentisphaeria | 0.2927700 | 0.020 |
| 98 | Genus | Moritella | 0.2927700 | 0.030 |
| 99 | Genus | Lankesteria | 0.2889885 | 0.030 |
| 100 | Genus | Neisseria | 0.2784826 | 0.020 |
| 101 | Family | Pasteurellaceae | 0.2766797 | 0.045 |
| 102 | Genus | P.palmC41 | 0.2672612 | 0.020 |
| 103 | Genus | Altererythrobacter | 0.2672612 | 0.025 |
| 104 | Genus | Oleiphilus | 0.2390457 | 0.030 |
| 105 | Genus | Rothia | 0.2359439 | 0.045 |
| 106 | Genus | Coxiella | 0.2325377 | 0.040 |
| 107 | Family | Marinifilaceae | 0.2314550 | 0.025 |