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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ASV ID | Family | Species | df | F | *p*FDR | Effect | Estimate | df | T | *p*FDR |
| ASV40 | Erythrobacteraceae | *Qipengyuania sp.* | 24.8 | 8.51 | 0.022 | Antibiotic | -0.8 ± 0.21 | 4.9 | -3.65 | 0.036 |
| Disease | -0.7 ± 0.31 | 92.7 | -2.25 | 0.054 |
| Time | -0.7 ± 0.16 | 67.4 | -4.00 | <0.001 |
| ASV25 | Fastidiosibacteraceae | *Cysteiniphilum litorale* | 18.4 | 11.70 | 0.009 | Antibiotic | 0.0 ± 0.29 | 4.7 | 0.15 | 0.889 |
| Disease | 2.4 ± 0.37 | 93.9 | 6.53 | <0.001 |
| Time | 0.1 ± 0.21 | 91.2 | 0.44 | 0.709 |
| ASV41 | Flavobacteriaceae | *Seonamhaeicola sp.* | 25.9 | 7.10 | 0.046 | Antibiotic | 0.3 ± 0.42 | 5.1 | 0.7 | 0.602 |
| Disease | 1.0 ± 0.66 | 93.5 | 1.52 | 0.203 |
| Time | 1.9 ± 0.37 | 91.7 | 5.06 | <0.001 |
| ASV544 | *Ascidiaceibacter salegens* | 94.0 | 7.65 | 0.003 | Antibiotic | 0.3 ± 0.14 | 94.0 | 2.30 | 0.047 |
| Disease | -0.1 ± 0.25 | 94 | -0.44 | 0.658 |
| Time | 0.4 ± 0.14 | 94.0 | 2.85 | 0.007 |
| ASV304 | Paracoccaceae | *Pseudooceanicola sp.* | 90.6 | 9.65 | <0.001 | Antibiotic | -0.6 ± 0.15 | 89.9 | -4.36 | <0.001 |
| Disease | -0.3 ± 0.27 | 93.4 | -1.13 | 0.364 |
| Time | -0.5 ± 0.15 | 89.3 | -3.64 | <0.001 |
| ASV9 | Roseobacteraceae |  | 10.8 | 12.16 | 0.046 | Antibiotic | -0.1 ± 0.34 | 4.4 | -0.35 | 0.797 |
| Disease | 1.9 ± 0.31 | 92.5 | 6.04 | <0.001 |
| Time | 0.4 ± 0.17 | 90.6 | 2.33 | 0.028 |
| ASV93 | *Thalassovita mediterranea* | 91.0 | 14.09 | <0.001 | Antibiotic | -1.2 ± 0.23 | 91.0 | -5.29 | <0.001 |
| Disease | 1.4 ± 0.42 | 90.9 | 3.40 | 0.003 |
| Time | 0.1 ± 0.23 | 89.6 | 0.39 | 0.709 |
| ASV12 | Rubritaleaceae | *Rubritalea sp.* | 16.5 | 18.15 | 0.002 | Antibiotic | -1.7 ± 0.54 | 4.6 | -3.13 | 0.049 |
| Disease | 0.4 ± 0.69 | 93.8 | 0.55 | 0.658 |
| Time | 2.5 ± 0.38 | 91.1 | 6.52 | <0.001 |
| ASV185 | *Rubritalea tangerina* | 24.4 | 11.40 | 0.003 | Antibiotic | -0.7 ± 0.23 | 4.6 | -3.04 | 0.049 |
| Disease | -0.2 ± 0.34 | 93.7 | -0.51 | 0.658 |
| Time | 0.8 ± 0.18 | 69.8 | 4.46 | <0.001 |
| ASV217 | *Rubritalea tangerina* | 74.8 | 9.38 | 0.001 | Antibiotic | -0.5 ± 0.19 | 34.5 | -2.82 | 0.028 |
| Disease | -0.6 ± 0.33 | 93 | -1.8 | 0.132 |
| Time | 0.7 ± 0.18 | 69.2 | 4.15 | <0.001 |
| ASV251 | Saprospiraceae | *Saprospira grandis* | 11.1 | 12.76 | 0.039 | Antibiotic | -0.7 ± 0.34 | 4.4 | -2.14 | 0.13 |
| Disease | -1.0 ± 0.33 | 92.7 | -2.94 | 0.012 |
| Time | -0.9 ± 0.18 | 90.7 | -4.85 | <0.001 |
| ASV392 | 10.5 | 13.98 | 0.036 | Antibiotic | -0.6 ± 0.33 | 4.3 | -1.94 | 0.152 |
| Disease | -0.7 ± 0.27 | 88.5 | -2.48 | 0.035 |
| Time | -0.8 ± 0.15 | 86.5 | -5.08 | <0.001 |
| ASV20 | Verrucomicrobiaceae | *Haloferula sp.* | 18.9 | 20.75 | <0.001 | Antibiotic | -1.7 ± 0.37 | 4.8 | -4.49 | 0.028 |
| Disease | 0.4 ± 0.48 | 93.9 | 0.82 | 0.53 |
| Time | 1.4 ± 0.27 | 91.2 | 5.29 | <0.001 |
| ASV8 | Vibrionaceae | *Vibrio sp.* | 90.6 | 7.77 | 0.003 | Antibiotic | -0.7 ± 0.26 | 90.0 | -2.47 | 0.036 |
| Disease | 1.9 ± 0.48 | 93.2 | 3.94 | <0.001 |
| Time | 0.1 ± 0.26 | 89.4 | 0.37 | 0.709 |