**Supplemental Table 7.** Permutational multivariate analysis of variance (PERMANOVA) table for beta diversity comparisons among microbial communities from distinct coral compartments (seawater, mucus and tissue), month (April, July, September and December) and zone (in *versus* out). Significant results (*p*(perm) <0.05) are highlighted in bold.

**Overall**

|  |  |  |  |
| --- | --- | --- | --- |
| Source of Variation  Interactions | *df* | F value | *p(*perm) |
| Compartment | 2 | 15.035 | **< 0.001** |
| Zone | 1 | 2.198 | 0.064 |
| Month | 1 | 3.870 | **0.009** |
| Zone:Month | 1 | 3.097 | **0.019** |
| Compartment:Zone | 2 | 1.429 | 0.150 |
| Compartment:Month | 2 | 2.900 | **0.004** |
| Compartment:Zone:Month | 2 | 1.031 | 0.418 |

**Tissue**

|  |  |  |  |
| --- | --- | --- | --- |
| Source of Variation  Interactions | *df* | F value | *p(*perm) |
| Zone | 1 | 4.943 | **0.002** |
| Month | 1 | 1.418 | 0.244 |
| Zone:Month | 1 | 4.508 | **0.003** |

**Mucus**

|  |  |  |  |
| --- | --- | --- | --- |
| Source of Variation  Interactions | *df* | F value | *p(*perm) |
| Zone | 1 | 1.033 | 0.353 |
| Month | 1 | 7.213 | **< 0.001** |
| Zone:Month | 1 | 1.950 | 0.074 |

**Seawater**

|  |  |  |  |
| --- | --- | --- | --- |
| Source of Variation  Interactions | *df* | F value | *p(*perm) |
| Zone | 1 | 0.537 | 0.827 |
| Month | 1 | 1.556 | 0.160 |
| Zone:Month | 1 | 0.291 | 0.982 |