

“Investigation of bacterial communities within the digestive organs of the hydrothermal vent shrimp *Rimicaris exoculata* provide insights into holobiont geographic clustering” - Dominique A. Cowart, Lucile Durand, Marie-Anne Cambon-Bonavita, Sophie Arnaud-Haond (corresponding author : sophie.arnaud@ifremer.fr)

| Vents | | | | | | | |
|---------------------------|-----------------|-----------|---------|-----------------------------|-----------------|-----------|---------|
| <i>ANOSIM</i> | | | | <i>PERMANOVA</i> | | | |
| p value | | 0.0004* | | p value | | 0.0002* | |
| R value | | 0.630 | | F value | | 4.212 | |
| Mean rank within | | 51.330 | | Total sum of squares | | 5.166 | |
| Mean rank between | | 105.20 | | Within group sum of squares | | 3.384 | |
| <i>Pairwise p values</i> | | | | <i>Pairwise p values</i> | | | |
| | TAG | Logatchev | Rainbow | | TAG | Logatchev | Rainbow |
| TAG | | 0.245 | 0.001* | TAG | | 0.109 | 0.001* |
| Logatchev | 0.245 | | 0.002* | Logatchev | 0.109 | | 0.002* |
| Rainbow | 0.001* | 0.002* | | Rainbow | 0.001* | 0.002* | |
| Logatchev (by organ) | | | | | | | |
| <i>ANOSIM</i> | | | | <i>PERMANOVA</i> | | | |
| p value | | 0.066 | | p value | | 0.117 | |
| R value | | 0.288 | | F value | | 1.842 | |
| Mean rank within | | 15.630 | | Total sum of squares | | 2.439 | |
| Mean rank between | | 20.800 | | Within group sum of squares | | 1.931 | |
| <i>Pairwise p values</i> | | | | <i>Pairwise p values</i> | | | |
| | Digestive Tract | Stomach | | | Digestive Tract | Stomach | |
| Digestive Tract | | 0.062 | | Digestive Tract | | 0.118 | |
| Stomach | 0.062 | | | Stomach | 0.118 | | |
| TAG (by organ) | | | | | | | |
| <i>ANOSIM</i> | | | | <i>PERMANOVA</i> | | | |
| p value | | 0.974 | | p value | | 0.562 | |
| R value | | -0.112 | | F value | | 0.818 | |
| Mean rank within | | 19.630 | | Total sum of squares | | 2.373 | |
| Mean rank between | | 17.600 | | Within group sum of squares | | 2.125 | |
| <i>Pairwise p values</i> | | | | <i>Pairwise p values</i> | | | |
| | Digestive Tract | Stomach | | | Digestive Tract | Stomach | |
| Digestive Tract | | 0.975 | | Digestive Tract | | 0.556 | |
| Stomach | 0.975 | | | Stomach | 0.556 | | |
| Logatchev (by Life Stage) | | | | | | | |
| <i>ANOSIM</i> | | | | <i>PERMANOVA</i> | | | |
| p value | | 0.011* | | p value | | 0.003* | |
| R value | | 0.373 | | F value | | 2.944 | |
| Mean rank within | | 24.740 | | Total sum of squares | | 3.606 | |
| Mean rank between | | 37.040 | | Within group sum of squares | | 2.180 | |
| <i>Pairwise p values</i> | | | | <i>Pairwise p values</i> | | | |
| | Eggs | Juveniles | Adults | | Eggs | Juveniles | Adults |
| Eggs | | 0.029* | 0.053 | Eggs | | 0.029* | 0.017* |
| Juveniles | 0.029* | | 0.295 | Juveniles | 0.029* | | 0.180 |
| Adults | 0.053 | 0.295 | | Adults | 0.017* | 0.180 | |
| Rainbow (by Molt Color) | | | | | | | |
| <i>ANOSIM</i> | | | | <i>PERMANOVA</i> | | | |
| p value | | 0.606 | | p value | | 0.684 | |
| R value | | -0.066 | | F value | | 0.670 | |
| Mean rank within | | 24.080 | | Total sum of squares | | 0.980 | |
| Mean rank between | | 22.610 | | Within group sum of squares | | 0.670 | |
| <i>Pairwise p values</i> | | | | <i>Pairwise p values</i> | | | |
| | White | Red | Black | | White | Red | Black |
| White | | 0.826 | 0.293 | White | | 0.630 | 0.461 |
| Red | 0.826 | | 0.799 | Red | 0.630 | | 0.5956 |
| Black | 0.293 | 0.799 | | Black | 0.461 | 0.596 | |