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| --- | --- | --- | --- |
| **Order** | **Chi-squared** | **p-value** | **Bonferroni corrected p-value** |
| Pirellulales | 24.196 | < 0.001 | < 0.001 |
| GCA004 | 9.462 | 0.024 | 0.214 |
| Chromatiales | 55.328 | < 0.001 | < 0.001 |
| Desulfobacterales | 45.850 | < 0.001 | < 0.001 |
| Flavobacteriales | 14.615 | 0.002 | 0.020 |
| Bacteroidales | 88.955 | < 0.001 | < 0.001 |
| Alteromonadales | 32.819 | < 0.001 | < 0.001 |
| Campylobacterales | 102.708 | < 0.001 | < 0.001 |
| Thiotrichales | 39.869 | < 0.001 | < 0.001 |