**Supplemental Table 2. ANOVA tables of substrate, host species, and site effects of within-sample diversity.** Diversity was estimated for Shannon and Inverse Simpson indices using diversity function in vegan.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Shannon Index | | | | | |
| Factor | **Df** | **Sum Sq** | **Mean Sq** | **F value** | **Pr(>F)** |
| Substrate | 3 | 7.06 | 2.35 | 7.67 | 0.0004 |
| Host species | 1 | 1.52 | 1.52 | 4.97 | 0.0319 |
| Site | 4 | 2.46 | 0.62 | 2.01 | 0.1133 |
| Residuals | 37 | 11.34 | 0.31 |  |  |
| Inverse Simpson Index | | | | | |
| Factor | **Df** | **Sum Sq** | **Mean Sq** | **F value** | **Pr(>F)** |
| Substrate | 3 | 670.35 | 223.45 | 4.73 | 0.0068 |
| Host species | 1 | 230.87 | 230.87 | 4.89 | 0.0333 |
| Site | 4 | 212.16 | 53.04 | 1.12 | 0.3605 |
| Residuals | 37 | 1747.35 | 47.23 |  |  |