**Table 1. PERMANOVA tables of substrate, host species, site, and interactions effects on fungal communities both all factor and pairwise.** Included are both the full model comparison and *p*-values from permuted pairwise tests.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| All-factor PERMANOVA test statistics | | | | | | |
| Factor | | R2 | | F | | Pr(>F) |
| Substrate | | 0.3079 | | 19.62 | | 0.001 |
| Host species | | 0.0751 | | 14.37 | | 0.001 |
| Site | | 0.0864 | | 4.13 | | 0.001 |
| Substrate:Host species | | 0.1057 | | 6.74 | | 0.001 |
| Substrate:Site | | 0.2063 | | 3.29 | | 0.001 |
| Host species:Site | | 0.0551 | | 2.63 | | 0.002 |
| Substrate:Host species:Site | | 0.1216 | | 2.32 | | 0.001 |
| Residual | | 0.0418 | |  | |  |
| Total | | 1 | |  | |  |
| Pairwise PERMANOVA comparisons by substrate | | | | | | |
|  | **Epiphytes** | | **Litter** | | **Soil** | |
| Endophytes | 0.0036 | | 0.004 | | 0.0015 | |
| Epiphytes | - | | 0.0015 | | 0.0015 | |
| Litter | - | | - | | 0.0015 | |