| *Table X. PERMANOVA test by Experiment for the 16S community* | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| distance | Experiment | factor | Df | SumOfSqs | *R*2 | *F* | Pr(>F) |
| Bray-Curtis | cond\_phytohormones | plant\_pathway\_induced | 2.00 | 0.19 | .05 | 1.01 | 0.41 |
| Bray-Curtis | cond\_phytohormones | Residual | 38.00 | 3.56 | .95 |  |  |
| Bray-Curtis | cond\_phytohormones | Total | 40.00 | 3.75 | 1.0 |  |  |
| Bray-Curtis | cond\_real\_insects | plant\_pathway\_induced | 2.00 | 0.19 | .05 | 1.12 | 0.17 |
| Bray-Curtis | cond\_real\_insects | Residual | 41.00 | 3.49 | .95 |  |  |
| Bray-Curtis | cond\_real\_insects | Total | 43.00 | 3.69 | 1.0 |  |  |
| Bray-Curtis | EPG | plant\_pathway\_induced | 2.00 | 0.20 | .05 | 1.12 | 0.16 |
| Bray-Curtis | EPG | Residual | 41.00 | 3.68 | .95 |  |  |
| Bray-Curtis | EPG | Total | 43.00 | 3.88 | 1.0 |  |  |
| Unifrac | cond\_phytohormones | plant\_pathway\_induced | 2.00 | 0.16 | .05 | 1.03 | 0.39 |
| Unifrac | cond\_phytohormones | Residual | 38.00 | 3.05 | .95 |  |  |
| Unifrac | cond\_phytohormones | Total | 40.00 | 3.22 | 1.0 |  |  |
| Unifrac | cond\_real\_insects | plant\_pathway\_induced | 2.00 | 0.24 | .06 | 1.33 | 0.02 |
| Unifrac | cond\_real\_insects | Residual | 41.00 | 3.69 | .94 |  |  |
| Unifrac | cond\_real\_insects | Total | 43.00 | 3.93 | 1.0 |  |  |
| Unifrac | EPG | plant\_pathway\_induced | 2.00 | 0.24 | .06 | 1.23 | 0.03 |
| Unifrac | EPG | Residual | 41.00 | 3.91 | .94 |  |  |
| Unifrac | EPG | Total | 43.00 | 4.14 | 1.0 |  |  |