| *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 | 0.22 | .04 | 1.06 | 0.27 |
| Bray-Curtis | cond\_phytohormones | Residual | 45.00 | 4.59 | .96 |  |  |
| Bray-Curtis | cond\_phytohormones | Total | 47.00 | 4.81 | 1.0 |  |  |
| Bray-Curtis | cond\_real\_insects | plant\_pathway\_induced | 2.00 | 0.19 | .05 | 1.11 | 0.17 |
| Bray-Curtis | cond\_real\_insects | Residual | 41.00 | 3.45 | .95 |  |  |
| Bray-Curtis | cond\_real\_insects | Total | 43.00 | 3.64 | 1.0 |  |  |
| Bray-Curtis | EPG | plant\_pathway\_induced | 2.00 | 0.19 | .05 | 1.12 | 0.16 |
| Bray-Curtis | EPG | Residual | 41.00 | 3.58 | .95 |  |  |
| Bray-Curtis | EPG | Total | 43.00 | 3.77 | 1.0 |  |  |
| Unifrac | cond\_phytohormones | plant\_pathway\_induced | 2.00 | 0.17 | .04 | 1.03 | 0.34 |
| Unifrac | cond\_phytohormones | Residual | 45.00 | 3.60 | .96 |  |  |
| Unifrac | cond\_phytohormones | Total | 47.00 | 3.77 | 1.0 |  |  |
| Unifrac | cond\_real\_insects | plant\_pathway\_induced | 2.00 | 0.23 | .06 | 1.32 | 0.02 |
| Unifrac | cond\_real\_insects | Residual | 41.00 | 3.58 | .94 |  |  |
| Unifrac | cond\_real\_insects | Total | 43.00 | 3.81 | 1.0 |  |  |
| Unifrac | EPG | plant\_pathway\_induced | 2.00 | 0.22 | .06 | 1.21 | 0.04 |
| Unifrac | EPG | Residual | 41.00 | 3.76 | .94 |  |  |
| Unifrac | EPG | Total | 43.00 | 3.98 | 1.0 |  |  |