|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Metric** | **Pairwise comparison** | **Z score** | **p-value** | **Bonferroni corrected p-value** |
| **Observed number of OTUs** | 1 - 2 | 5.276 | < 0.001 | < 0.001 |
|  | 1 - 3 | 8.874 | < 0.001 | < 0.001 |
|  | 2 - 3 | 3.598 | < 0.001 | .002 |
|  | 1 - 4 | 5.410 | < 0.001 | < 0.001 |
|  | 2 - 4 | 0.134 | 0.094 | 1 |
|  | 3 - 4 | -3.464 | < 0.001 | .003 |
| **Chao1** | 1 - 2 | 4.540 | < 0.001 | < 0.001 |
|  | 1 - 3 | 8.335 | < 0.001 | < 0.001 |
|  | 2 - 3 | 3.795 | < 0.001 | < 0.001 |
|  | 1 - 4 | 4.308 | < 0.001 | < 0.001 |
|  | 2 - 4 | -0.232 | 0.816 | 1 |
|  | 3 - 4 | -4.027 | < 0.001 | < 0.001 |
| **Shannon** | 1 - 2 | 8.073 | < 0.001 | < 0.001 |
|  | 1 - 3 | 9.503 | < 0.001 | < 0.001 |
|  | 2 - 3 | 1.430 | 0.153 | 0.917 |
|  | 1 - 4 | 10.730 | < 0.001 | < 0.001 |
|  | 2 - 4 | 2.657 | 0.008 | 0.047 |
|  | 3 - 4 | 1.227 | 0.220 | 1 |
| **Inverse Simpson** | 1 - 2 | 8.210 | < 0.001 | < 0.001 |
|  | 1 - 3 | 7.842 | < 0.001 | < 0.001 |
|  | 2 - 3 | -0.368 | 0.713 | 1 |
|  | 1 - 4 | 10.204 | < 0.001 | < 0.001 |
|  | 2 - 4 | 1.994 | 0.0461 | 0.277 |
|  | 3 - 4 | 2.362 | 0.0182 | 0.109 |