| *Table X. Results of Emmeans testing alpha diversity metrics for ITS communities* | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Index | contrast | p\_estimate | p\_SE | p\_df | p\_lower.CL | p\_upper.CL | p\_t.ratio | p\_p.value | h\_estimate | h\_SE | h\_df | h\_lower.CL | h\_upper.CL | h\_t.ratio | h\_p.value |
| Richness | control - JA | 40.05 | 8.45 | 26.00 | 19.06 | 61.03 | 4.74 | <0.001 | 6.58 | 4.86 | 40.00 | -5.25 | 18.41 | 1.35 | 0.374 |
| Richness | control - SA | 19.63 | 9.13 | 26.00 | -3.05 | 42.32 | 2.15 | 0.099 | -11.82 | 4.94 | 40.00 | -23.85 | 0.21 | -2.39 | 0.055 |
| Richness | JA - SA | -20.41 | 7.22 | 26.00 | -38.35 | -2.47 | -2.83 | 0.023 | -18.41 | 4.78 | 40.00 | -30.05 | -6.77 | -3.85 | 0.001 |
| Chao1 | control - JA | 39.94 | 8.44 | 26.00 | 18.97 | 60.92 | 4.73 | <0.001 | 6.56 | 4.91 | 40.00 | -5.38 | 18.50 | 1.34 | 0.383 |
| Chao1 | control - SA | 19.90 | 9.12 | 26.00 | -2.77 | 42.58 | 2.18 | 0.093 | -12.09 | 4.99 | 40.00 | -24.23 | 0.05 | -2.42 | 0.051 |
| Chao1 | JA - SA | -20.04 | 7.22 | 26.00 | -37.97 | -2.11 | -2.78 | 0.026 | -18.65 | 4.83 | 40.00 | -30.40 | -6.91 | -3.86 | 0.001 |
| Shannon | control - JA | 0.48 | 0.21 | 26.00 | -0.05 | 1.01 | 2.24 | 0.084 | -0.26 | 0.25 | 40.00 | -0.86 | 0.35 | -1.04 | 0.559 |
| Shannon | control - SA | -0.00 | 0.23 | 26.00 | -0.58 | 0.57 | -0.01 | >0.999 | -0.91 | 0.25 | 40.00 | -1.52 | -0.29 | -3.58 | 0.003 |
| Shannon | JA - SA | -0.48 | 0.18 | 26.00 | -0.93 | -0.03 | -2.62 | 0.037 | -0.65 | 0.25 | 40.00 | -1.25 | -0.05 | -2.65 | 0.030 |
| Faith's PD | control - JA | 7.52 | 2.08 | 26.00 | 2.34 | 12.70 | 3.61 | 0.004 | 1.47 | 1.21 | 40.00 | -1.46 | 4.41 | 1.22 | 0.448 |
| Faith's PD | control - SA | 2.91 | 2.25 | 26.00 | -2.69 | 8.50 | 1.29 | 0.413 | -2.12 | 1.23 | 40.00 | -5.11 | 0.86 | -1.73 | 0.207 |
| Faith's PD | JA - SA | -4.61 | 1.78 | 26.00 | -9.04 | -0.19 | -2.59 | 0.040 | -3.59 | 1.19 | 40.00 | -6.48 | -0.70 | -3.03 | 0.012 |