|  |  |  |  |
| --- | --- | --- | --- |
| isotope | site | comparison | Tukey’s adjusted p-values |
| all data | subsampled | sp.-controlled |
| 15N | Upper Waiakea(200-750 y) | plants:Spiny Leg | **< 0.001** | **< 0.001** | **< 0.001** |
| Spiny Leg:web-builders | **< 0.001** | **< 0.001** | **< 0.001** |
| web-builders:Ariamnes | 0.071 | 0.161 | 0.619 |
| plants:leaf litter | **< 0.001** | **< 0.001** | **< 0.001** |
| Spiny Leg:leaf litter | **0.008** | **0.006** | **< 0.001** |
| web-builders:leaf litter | 0.998 | 0.9998 | 0.901 |
| Ariamnes:leaf litter | 0.512 | 0.598 | 0.364 |
| ‘Ola’a(2,100 y) | plants:Spiny Leg | **< 0.001** | **0.001** | **< 0.001** |
| Spiny Leg:web-builders | **< 0.001** | **0.014** | **0.017** |
| web-builders:Ariamnes  | **< 0.001** | **0.003** | **< 0.001** |
| Laupāhoehoe(20,000 y) | plants:Spiny Leg | **< 0.001** | **< 0.001** | **< 0.001** |
| Spiny Leg:web-builders | **< 0.001** | **< 0.001** | **0.012** |
| Spiny Leg:Ariamnes | **< 0.001** | **< 0.001** | **< 0.001** |
| web-builders:Ariamnes | **< 0.001** | **0.006** | 0.054 |
| 13C | Upper Waiakea(200-750 y) | plants:leaf litter | 0.140 | 0.068 | 0.077 |
| plants:Spiny Leg | **< 0.001** | **< 0.001** | **< 0.001** |
| leaf litter:Spiny Leg | **0.002** | **< 0.001** | 0.072 |
| Spiny Leg:web-builders | **< 0.001** | **0.002** | **0.003** |
| Spiny Leg:Ariamnes | 0.076 | 0.085 | **0.007** |
| web-builders:Ariamnes | 0.999 | 0.999 | 0.999 |
| ‘Ola’a(2,100 y) | plants:Spiny Leg | **< 0.001** | **< 0.001** | **< 0.001** |
| Spiny Leg:web-builders | **< 0.001** | **0.003** | **0.013** |
| Spiny Leg:Ariamnes | **< 0.001** | **0.010** | **< 0.001** |
| web-builders:Ariamnes  | 0.940 | 0.995 | 0.487 |
| Laupāhoehoe(20,000 y) | plants:Spiny Leg | **< 0.001** | **< 0.001** | **< 0.001** |
| Spiny Leg:web-builders | 0.053 | 0.274 | **< 0.001** |
| Spiny Leg:Ariamnes | 0.442 | 0.370 | **< 0.001** |
| web-builders:Ariamnes | 0.999 | 0.999 | 0.999 |