|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table S1**. Nonparametric tests of forest type (remnant forest vs. koa plantation) effects on *Acacia koa* diameter at breast height and *A. koa* forest canopy area, and forest type effects on the distribution of interpolated values in nitrogen and ca1rbon isoscapes generated from grouped samples (soil, Rubus spp. leaves, *Acacia koa* leaves), or soil and foliar samples alone. | | | | | |
| **Nonparametric Mann-Whitney-U-tests** | | | | | |
| *Variable* | *Effect* | *U* | *Z* | *Effect-size r* | *p-value* | |
| Diameter at breast height  (DBH, cm) | Forest type | 315 | 2.589 | 0.489 | **0.010** | |
|  |  |  |  |  |  | |
| Canopy area  (m2) | Forest type | 152 | -0.432 | 0.082 | 0.666 | |
|  |  |  |  |  |  | |
| Isoscape: soil + foliar |  |  |  |  |  | |
| δ15N | Forest type | 8.329×1010 | -380.086 | 0.381 | **<0.001** | |
| δ13C | Forest type | 1.471×1010 | 528.598 | 0.654 | **<0.001** | |
|  |  |  |  |  |  | |
| Isoscape: soil |  |  |  |  |  | |
| δ15N | Forest type | 4.743×108 | -66.868 | 0.281 | **<0.001** | |
| δ13C | Forest type | 8.194×108 | 116.006 | 0.487 | **<0.001** | |
|  |  |  |  |  |  | |
| Isoscape: foliar |  |  |  |  |  | |
| δ15N | Forest type | 1.429×108 | -129.769 | 0.637 | **<0.001** | |
| *U* = U-statistic; *Z* = Z-value. Significant effects (p<0.05) are in bold. | | | | | |