|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **0-5 cm** | | | | **5-10 cm** | | | |
| **AM Fungi** | **EM Fungi** | **Bacteria** | **Total Fungi** | **AM Fungi** | **EM Fungi** | **Bacteria** | **Total Fungi** |
| **Plant Richness** | Total tree richness | t30= 3.20  p= 0.003 |  |  |  |  |  |  |  |
| AM tree richness | t30= -2.84  p= 0.008 |  |  |  |  |  |  |  |
| EM tree richness | t30= -2.77  p= 0.01 |  |  |  |  |  |  |  |
| AM dominance |  |  | t33= 1.99  p= 0.054 |  |  |  | t31= 2.38  p= 0.024 | t31= 2.76  p= 0.01 |
| **Plant Productivity** | Stand age | t31= -2.99  p= 0.005 | t32= 2.081  p= 0.046 | t34= -2.32  p= 0.027 |  | t29= -1.77  p= 0.088 |  | t32= -2.79  p= 0.009 | t32= -4.87  p< 0.001 |
| Total Basal Area (2020) | t31=-1.72  p= 0.095 |  |  |  |  |  |  |  |
| Basal Area Increment |  |  |  |  |  |  |  |  |
| **Canopy Structure** | vert.sd |  |  |  |  |  |  |  |  |
| VAI |  | t32= 2.78  p= 0.009 | t34= 1.76  p= 0.087 |  |  |  |  |  |
| VCI |  |  |  |  |  |  |  |  |
| **Soil Properties** | C:N |  |  |  | t33= -1.75  p= 0.09 |  |  |  | t32= -2.76  p= 0.009 |
| pH | t31= 3.90  p< 0.001 |  | t34= 5.66  p< 0.001 | t33= 2.25  p= 0.03 | t29= 2.15  p= 0.04 |  | t32= 3.65  p< 0.001 | t32= 3.48  p= 0.001 |
| Fe percent |  |  |  |  |  |  |  |  |
| **Geography** | Latitude |  |  |  | t34= -2.008  p= 0.052 |  |  |  | t33= -2.20  p= 0.035 |
| Longitude |  |  |  |  |  |  |  | t33= -2.40  p= 0.022 |
| **Climate** | MAT |  |  |  | t34= 2.056  p= 0.048 |  |  |  | t33= 2.27  p= 0.030 |
| TAP | t32= 1.70  p= 0.098 |  |  |  |  |  |  |  |