|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Metric** | **Chi-squared** | **P (perm)** |
| **Timepoint** | Observed number of OTUs | 80.406 | < 0.001 |
|  | Chao1 | 69.659 | < 0.001 |
|  | Shannon | 140.6 | < 0.001 |
|  | Inverse Simpson | 121.36 | < 0.001 |
| **Eelgrass Status** | Observed number of OTUs | 0.72 | 0.7 |
|  | Chao1 | 0.618 | 0.73 |
|  | Shannon | 0.679 | 0.72 |
|  | Inverse Simpson | 1.344 | 0.506 |
| **Eelgrass richness** | Observed number of OTUs | 6.322 | 0.383 |
|  | Chao1 | 7.057 | 0.313 |
|  | Shannon | 3.488 | 0.755 |
|  | Inverse Simpson | 4.598 | 0.595 |
| **Eelgrass relatedness** | Observed number of OTUs | 1.672 | 0.433 |
|  | Chao1 | 1.488 | 0.468 |
|  | Shannon | 0.688 | 0.705 |
|  | Inverse Simpson | 1.083 | 0.582 |
| **Plot location** | Observed number of OTUs | 62.161 | 0.797 |
|  | Chao1 | 69.518 | 0.543 |
|  | Shannon | 45.346 | 0.997 |
|  | Inverse Simpson | 42.76 | 0.998 |