|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SPIRIFERIDA** | **Wordian** | **Capitanian** | **Wuchiapingian** | **Changhsingian** | **Early Triassic** |
| **Wordian** |  | 0.976 | 0.994 | 0.239 | **0.006** |
| **Capitanian** | 1.000 |  | 0.614 | 0.781 | **0.016** |
| **Wuchiapingian** | 1.000 | 1.000 |  | 0.251 | **0.004** |
| **Changhsingian** | 1.000 | 1.000 | 1.000 |  | 0.052 |
| **Early Triassic** | **0.061** | 0.161 | **0.044** | 0.520 |  |

Supplementary Table 1. PERMANOVA results comparing the distribution of spiriferid taxa in ecomorphospace between the five time bins. Numbers above the diagonal are uncorrected *p*-values, those below are Bonferroni corrected. Bold values (*p*-values < 0.05) indicate significant differences in distribution between time bins.