Table 1: EMS results for Ross’s sites, time C (9 sites). sitesC gives site-level analysis (n = 9 sites) and plotsC gives a plot-level analysis (n = 145).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Site** | **Coherence** | |  |  |  | **Turnover** | |  |  |  | **Boundary** | |  |
|  | Emb | z | p | Sim M | Sim sd | Repl | z | p | Sim M | Sim sd | Index | P | df |
| **9 sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sitesC | 48 | 3.26 | **< 0.01** | 74.50 | 8.14 | 475 | 0.62 | 0.53 | 587.97 | 181.30 | 3.3 | **< 0.01** | 32 |
| plotsC | 2121 | 3.37 | **< 0.01** | 2663.37 | 161.06 | 149529 | -2.91 | **< 0.01** | 68617.6 | 27839.3 | 2.31 | **< 0.01** | 32 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **5 sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sitesA | 26 | 0.64 | 0.52 | 29.00 | 4.65 |  |  |  |  |  |  |  |  |
| plotsA | 1345 | 0.56 | 0.58 | 1399.6 | 98.29 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sitesC | 11 | 2.78 | **< 0.01** | 21.34 | 3.70 | 170 | 0.55 | 0.68 | 203.80 | 61.82 | 0 | 0.22 | 29 |
| plotsC | 1280 | -0.16 | 0.87 | 1268.25 | 72.88 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| sitesE | 26 | 1.83 | 0.07 | 35.16 | 4.99 |  |  |  |  |  |  |  |  |
| plotsE | 1347 | 3.10 | **< 0.01** | 1679.04 | 106.97 | 108446 | -3.98 | **< 0.01** | 44219.7 | 16150 | 2.17 | **< 0.01** | 40 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Positive coherence indicates non-random and non-checkerboard structure; distributions of species are determined by a common latent environmental gradient.