| variable | .y. | group1 | group2 | n1 | n2 | statistic | p | p.adj | p.adj.signif |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AOO | vals | 5 | 6 | 201 | 233 | -1.981 | 0.048 | 0.057 | ns |
| AOO | vals | 5 | 13 | 201 | 183 | 0.189 | 0.850 | 0.850 | ns |
| AOO | vals | 5 | 26 | 201 | 412 | 16.499 | 0.000 | 0.000 | \*\*\*\* |
| AOO | vals | 6 | 13 | 233 | 183 | 2.126 | 0.034 | 0.050 | ns |
| AOO | vals | 6 | 26 | 233 | 412 | 19.644 | 0.000 | 0.000 | \*\*\*\* |
| AOO | vals | 13 | 26 | 183 | 412 | 15.762 | 0.000 | 0.000 | \*\*\*\* |
| AlphaSR\_sp | vals | 5 | 6 | 201 | 233 | -7.196 | 0.000 | 0.000 | \*\*\*\* |
| AlphaSR\_sp | vals | 5 | 13 | 201 | 183 | -13.021 | 0.000 | 0.000 | \*\*\*\* |
| AlphaSR\_sp | vals | 5 | 26 | 201 | 412 | 9.735 | 0.000 | 0.000 | \*\*\*\* |
| AlphaSR\_sp | vals | 6 | 13 | 233 | 183 | -6.456 | 0.000 | 0.000 | \*\*\*\* |
| AlphaSR\_sp | vals | 6 | 26 | 233 | 412 | 18.668 | 0.000 | 0.000 | \*\*\*\* |
| AlphaSR\_sp | vals | 13 | 26 | 183 | 412 | 24.404 | 0.000 | 0.000 | \*\*\*\* |
| Beak.Width | vals | 5 | 6 | 206 | 236 | -0.176 | 0.860 | 0.975 | ns |
| Beak.Width | vals | 5 | 13 | 206 | 208 | -0.031 | 0.975 | 0.975 | ns |
| Beak.Width | vals | 5 | 26 | 206 | 417 | 0.510 | 0.610 | 0.975 | ns |
| Beak.Width | vals | 6 | 13 | 236 | 208 | 0.145 | 0.885 | 0.975 | ns |
| Beak.Width | vals | 6 | 26 | 236 | 417 | 0.740 | 0.460 | 0.975 | ns |
| Beak.Width | vals | 13 | 26 | 208 | 417 | 0.548 | 0.584 | 0.975 | ns |
| BetaSR\_sp | vals | 5 | 6 | 201 | 233 | 12.184 | 0.000 | 0.000 | \*\*\*\* |
| BetaSR\_sp | vals | 5 | 13 | 201 | 183 | 16.396 | 0.000 | 0.000 | \*\*\*\* |
| BetaSR\_sp | vals | 5 | 26 | 201 | 412 | 22.054 | 0.000 | 0.000 | \*\*\*\* |
| BetaSR\_sp | vals | 6 | 13 | 233 | 183 | 5.086 | 0.000 | 0.000 | \*\*\*\* |
| BetaSR\_sp | vals | 6 | 26 | 233 | 412 | 8.839 | 0.000 | 0.000 | \*\*\*\* |
| BetaSR\_sp | vals | 13 | 26 | 183 | 412 | 2.502 | 0.012 | 0.012 | \* |
| D\_AOO\_a | vals | 5 | 6 | 180 | 233 | -1.534 | 0.125 | 0.150 | ns |
| D\_AOO\_a | vals | 5 | 13 | 180 | 183 | -6.322 | 0.000 | 0.000 | \*\*\*\* |
| D\_AOO\_a | vals | 5 | 26 | 180 | 412 | -2.224 | 0.026 | 0.039 | \* |
| D\_AOO\_a | vals | 6 | 13 | 233 | 183 | -5.178 | 0.000 | 0.000 | \*\*\*\* |
| D\_AOO\_a | vals | 6 | 26 | 233 | 412 | -0.566 | 0.571 | 0.571 | ns |
| D\_AOO\_a | vals | 13 | 26 | 183 | 412 | 5.235 | 0.000 | 0.000 | \*\*\*\* |
| Dist\_centroid\_to\_COG | vals | 5 | 6 | 209 | 244 | -7.490 | 0.000 | 0.000 | \*\*\*\* |
| Dist\_centroid\_to\_COG | vals | 5 | 13 | 209 | 226 | 7.064 | 0.000 | 0.000 | \*\*\*\* |
| Dist\_centroid\_to\_COG | vals | 5 | 26 | 209 | 432 | 20.214 | 0.000 | 0.000 | \*\*\*\* |
| Dist\_centroid\_to\_COG | vals | 6 | 13 | 244 | 226 | 14.989 | 0.000 | 0.000 | \*\*\*\* |
| Dist\_centroid\_to\_COG | vals | 6 | 26 | 244 | 432 | 30.083 | 0.000 | 0.000 | \*\*\*\* |
| Dist\_centroid\_to\_COG | vals | 13 | 26 | 226 | 432 | 12.490 | 0.000 | 0.000 | \*\*\*\* |
| GammaSR | vals | 5 | 6 | 201 | 233 | 7.946 | 0.000 | 0.000 | \*\*\*\* |
| GammaSR | vals | 5 | 13 | 201 | 183 | -6.624 | 0.000 | 0.000 | \*\*\*\* |
| GammaSR | vals | 5 | 26 | 201 | 412 | 22.105 | 0.000 | 0.000 | \*\*\*\* |
| GammaSR | vals | 6 | 13 | 233 | 183 | -14.597 | 0.000 | 0.000 | \*\*\*\* |
| GammaSR | vals | 6 | 26 | 233 | 412 | 13.869 | 0.000 | 0.000 | \*\*\*\* |
| GammaSR | vals | 13 | 26 | 183 | 412 | 29.027 | 0.000 | 0.000 | \*\*\*\* |
| GlobRangeSize\_km2 | vals | 5 | 6 | 208 | 237 | -8.193 | 0.000 | 0.000 | \*\*\*\* |
| GlobRangeSize\_km2 | vals | 5 | 13 | 208 | 211 | -5.494 | 0.000 | 0.000 | \*\*\*\* |
| GlobRangeSize\_km2 | vals | 5 | 26 | 208 | 419 | -5.036 | 0.000 | 0.000 | \*\*\*\* |
| GlobRangeSize\_km2 | vals | 6 | 13 | 237 | 211 | 2.552 | 0.011 | 0.013 | \* |
| GlobRangeSize\_km2 | vals | 6 | 26 | 237 | 419 | 4.322 | 0.000 | 0.000 | \*\*\*\* |
| GlobRangeSize\_km2 | vals | 13 | 26 | 211 | 419 | 1.300 | 0.194 | 0.194 | ns |
| Hand-Wing.Index | vals | 5 | 6 | 206 | 236 | -2.165 | 0.030 | 0.046 | \* |
| Hand-Wing.Index | vals | 5 | 13 | 206 | 208 | -0.716 | 0.474 | 0.474 | ns |
| Hand-Wing.Index | vals | 5 | 26 | 206 | 417 | 2.754 | 0.006 | 0.012 | \* |
| Hand-Wing.Index | vals | 6 | 13 | 236 | 208 | 1.431 | 0.153 | 0.183 | ns |
| Hand-Wing.Index | vals | 6 | 26 | 236 | 417 | 5.413 | 0.000 | 0.000 | \*\*\*\* |
| Hand-Wing.Index | vals | 13 | 26 | 208 | 417 | 3.592 | 0.000 | 0.001 | \*\*\* |
| Jaccard\_dissim | vals | 5 | 6 | 201 | 233 | 6.817 | 0.000 | 0.000 | \*\*\*\* |
| Jaccard\_dissim | vals | 5 | 13 | 201 | 183 | 8.565 | 0.000 | 0.000 | \*\*\*\* |
| Jaccard\_dissim | vals | 5 | 26 | 201 | 412 | -1.744 | 0.081 | 0.081 | ns |
| Jaccard\_dissim | vals | 6 | 13 | 233 | 183 | 2.216 | 0.027 | 0.032 | \* |
| Jaccard\_dissim | vals | 6 | 26 | 233 | 412 | -9.837 | 0.000 | 0.000 | \*\*\*\* |
| Jaccard\_dissim | vals | 13 | 26 | 183 | 412 | -11.541 | 0.000 | 0.000 | \*\*\*\* |
| Mass | vals | 5 | 6 | 206 | 236 | -1.986 | 0.047 | 0.094 | ns |
| Mass | vals | 5 | 13 | 206 | 208 | 0.270 | 0.787 | 0.787 | ns |
| Mass | vals | 5 | 26 | 206 | 417 | 1.585 | 0.113 | 0.169 | ns |
| Mass | vals | 6 | 13 | 236 | 208 | 2.270 | 0.023 | 0.070 | ns |
| Mass | vals | 6 | 26 | 236 | 417 | 3.982 | 0.000 | 0.000 | \*\*\* |
| Mass | vals | 13 | 26 | 208 | 417 | 1.277 | 0.201 | 0.242 | ns |
| PC1\_sd | vals | 5 | 6 | 208 | 237 | 1.347 | 0.178 | 0.178 | ns |
| PC1\_sd | vals | 5 | 13 | 208 | 211 | 6.509 | 0.000 | 0.000 | \*\*\*\* |
| PC1\_sd | vals | 5 | 26 | 208 | 420 | -1.970 | 0.049 | 0.059 | ns |
| PC1\_sd | vals | 6 | 13 | 237 | 211 | 5.367 | 0.000 | 0.000 | \*\*\*\* |
| PC1\_sd | vals | 6 | 26 | 237 | 420 | -3.631 | 0.000 | 0.000 | \*\*\* |
| PC1\_sd | vals | 13 | 26 | 211 | 420 | -9.516 | 0.000 | 0.000 | \*\*\*\* |
| PC2\_sd | vals | 5 | 6 | 208 | 237 | -4.615 | 0.000 | 0.000 | \*\*\*\* |
| PC2\_sd | vals | 5 | 13 | 208 | 211 | 3.377 | 0.001 | 0.001 | \*\* |
| PC2\_sd | vals | 5 | 26 | 208 | 420 | -2.522 | 0.012 | 0.012 | \* |
| PC2\_sd | vals | 6 | 13 | 237 | 211 | 8.119 | 0.000 | 0.000 | \*\*\*\* |
| PC2\_sd | vals | 6 | 26 | 237 | 420 | 2.765 | 0.006 | 0.007 | \*\* |
| PC2\_sd | vals | 13 | 26 | 211 | 420 | -6.444 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells | vals | 5 | 6 | 201 | 233 | 29.735 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells | vals | 5 | 13 | 201 | 183 | 6.624 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells | vals | 5 | 26 | 201 | 412 | 20.056 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells | vals | 6 | 13 | 233 | 183 | -22.127 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells | vals | 6 | 26 | 233 | 412 | -13.869 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells | vals | 13 | 26 | 183 | 412 | 11.805 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells\_samp | vals | 5 | 6 | 201 | 233 | 29.735 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells\_samp | vals | 5 | 13 | 201 | 183 | 6.624 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells\_samp | vals | 5 | 26 | 201 | 412 | 20.056 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells\_samp | vals | 6 | 13 | 233 | 183 | -22.127 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells\_samp | vals | 6 | 26 | 233 | 412 | -13.869 | 0.000 | 0.000 | \*\*\*\* |
| Total\_Ncells\_samp | vals | 13 | 26 | 183 | 412 | 11.805 | 0.000 | 0.000 | \*\*\*\* |
| Total\_area\_samp | vals | 5 | 6 | 201 | 233 | 7.946 | 0.000 | 0.000 | \*\*\*\* |
| Total\_area\_samp | vals | 5 | 13 | 201 | 183 | 14.663 | 0.000 | 0.000 | \*\*\*\* |
| Total\_area\_samp | vals | 5 | 26 | 201 | 412 | 29.603 | 0.000 | 0.000 | \*\*\*\* |
| Total\_area\_samp | vals | 6 | 13 | 233 | 183 | 7.423 | 0.000 | 0.000 | \*\*\*\* |
| Total\_area\_samp | vals | 6 | 26 | 233 | 412 | 21.739 | 0.000 | 0.000 | \*\*\*\* |
| Total\_area\_samp | vals | 13 | 26 | 183 | 412 | 11.805 | 0.000 | 0.000 | \*\*\*\* |
| a | vals | 5 | 6 | 201 | 233 | 3.058 | 0.002 | 0.003 | \*\* |
| a | vals | 5 | 13 | 201 | 183 | -5.054 | 0.000 | 0.000 | \*\*\*\* |
| a | vals | 5 | 26 | 201 | 412 | 4.859 | 0.000 | 0.000 | \*\*\*\* |
| a | vals | 6 | 13 | 233 | 183 | -8.208 | 0.000 | 0.000 | \*\*\*\* |
| a | vals | 6 | 26 | 233 | 412 | 1.509 | 0.131 | 0.131 | ns |
| a | vals | 13 | 26 | 183 | 412 | 10.519 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearing | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearing | vals | 5 | 13 | 209 | 226 | 30.326 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearing | vals | 5 | 26 | 209 | 432 | 21.822 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearing | vals | 6 | 13 | 244 | 226 | 23.533 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearing | vals | 6 | 26 | 244 | 432 | 13.747 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearing | vals | 13 | 26 | 226 | 432 | -13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearingMinRect | vals | 5 | 6 | 209 | 244 | 30.567 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearingMinRect | vals | 5 | 13 | 209 | 226 | 7.382 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearingMinRect | vals | 5 | 26 | 209 | 432 | 21.126 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearingMinRect | vals | 6 | 13 | 244 | 226 | -23.533 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearingMinRect | vals | 6 | 26 | 244 | 432 | -13.747 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_bearingMinRect | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circ | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circ | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circ | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circ | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circ | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circ | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circNorm | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circNorm | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circNorm | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circNorm | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circNorm | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_circNorm | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonMinRect | vals | 5 | 6 | 209 | 244 | -7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonMinRect | vals | 5 | 13 | 209 | 226 | 22.045 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonMinRect | vals | 5 | 26 | 209 | 432 | 12.390 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonMinRect | vals | 6 | 13 | 244 | 226 | 30.906 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonMinRect | vals | 6 | 26 | 244 | 432 | 22.248 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonMinRect | vals | 13 | 26 | 226 | 432 | -13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonRatio | vals | 5 | 6 | 209 | 244 | -15.638 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonRatio | vals | 5 | 13 | 209 | 226 | -7.382 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonRatio | vals | 5 | 26 | 209 | 432 | 12.390 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonRatio | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonRatio | vals | 6 | 26 | 244 | 432 | 31.440 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_elonRatio | vals | 13 | 26 | 226 | 432 | 21.346 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ewDist | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ewDist | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ewDist | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ewDist | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ewDist | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ewDist | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lengthMinRect | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lengthMinRect | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lengthMinRect | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lengthMinRect | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lengthMinRect | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lengthMinRect | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lin | vals | 5 | 6 | 209 | 244 | -22.757 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lin | vals | 5 | 13 | 209 | 226 | 7.382 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lin | vals | 5 | 26 | 209 | 432 | -12.390 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lin | vals | 6 | 13 | 244 | 226 | 30.906 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lin | vals | 6 | 26 | 244 | 432 | 13.747 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_lin | vals | 13 | 26 | 226 | 432 | -21.346 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_maxDist | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_maxDist | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_maxDist | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_maxDist | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_maxDist | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_maxDist | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_nsDist | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_nsDist | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_nsDist | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_nsDist | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_nsDist | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_nsDist | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_perimeter | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_perimeter | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_perimeter | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_perimeter | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_perimeter | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_perimeter | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_widthMinRect | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_widthMinRect | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_widthMinRect | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_widthMinRect | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_widthMinRect | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_widthMinRect | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xhalf | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xhalf | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xhalf | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xhalf | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xhalf | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xhalf | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmax | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmax | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmax | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmax | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmax | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmax | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmin | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmin | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmin | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmin | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmin | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_xmin | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_yhalf | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_yhalf | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_yhalf | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_yhalf | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_yhalf | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_yhalf | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymax | vals | 5 | 6 | 209 | 244 | 7.828 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymax | vals | 5 | 13 | 209 | 226 | 15.664 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymax | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymax | vals | 6 | 13 | 244 | 226 | 8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymax | vals | 6 | 26 | 244 | 432 | 22.940 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymax | vals | 13 | 26 | 226 | 432 | 13.053 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymin | vals | 5 | 6 | 209 | 244 | 15.638 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymin | vals | 5 | 13 | 209 | 226 | 7.382 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymin | vals | 5 | 26 | 209 | 432 | 30.558 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymin | vals | 6 | 13 | 244 | 226 | -8.291 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymin | vals | 6 | 26 | 244 | 432 | 13.747 | 0.000 | 0.000 | \*\*\*\* |
| atlas\_ymin | vals | 13 | 26 | 226 | 432 | 22.734 | 0.000 | 0.000 | \*\*\*\* |
| b | vals | 5 | 6 | 201 | 233 | 11.133 | 0.000 | 0.000 | \*\*\*\* |
| b | vals | 5 | 13 | 201 | 183 | 2.653 | 0.008 | 0.008 | \*\* |
| b | vals | 5 | 26 | 201 | 412 | 8.300 | 0.000 | 0.000 | \*\*\*\* |
| b | vals | 6 | 13 | 233 | 183 | -8.106 | 0.000 | 0.000 | \*\*\*\* |
| b | vals | 6 | 26 | 233 | 412 | -4.362 | 0.000 | 0.000 | \*\*\*\* |
| b | vals | 13 | 26 | 183 | 412 | 4.987 | 0.000 | 0.000 | \*\*\*\* |
| bearing | vals | 5 | 6 | 209 | 244 | 7.602 | 0.000 | 0.000 | \*\*\*\* |
| bearing | vals | 5 | 13 | 209 | 226 | 16.056 | 0.000 | 0.000 | \*\*\*\* |
| bearing | vals | 5 | 26 | 209 | 432 | 15.207 | 0.000 | 0.000 | \*\*\*\* |
| bearing | vals | 6 | 13 | 244 | 226 | 8.929 | 0.000 | 0.000 | \*\*\*\* |
| bearing | vals | 6 | 26 | 244 | 432 | 7.053 | 0.000 | 0.000 | \*\*\*\* |
| bearing | vals | 13 | 26 | 226 | 432 | -3.161 | 0.002 | 0.002 | \*\* |
| bearingMinRect | vals | 5 | 6 | 209 | 244 | 6.863 | 0.000 | 0.000 | \*\*\*\* |
| bearingMinRect | vals | 5 | 13 | 209 | 226 | 4.590 | 0.000 | 0.000 | \*\*\*\* |
| bearingMinRect | vals | 5 | 26 | 209 | 432 | 7.442 | 0.000 | 0.000 | \*\*\*\* |
| bearingMinRect | vals | 6 | 13 | 244 | 226 | -2.235 | 0.025 | 0.030 | \* |
| bearingMinRect | vals | 6 | 26 | 244 | 432 | -0.247 | 0.805 | 0.805 | ns |
| bearingMinRect | vals | 13 | 26 | 226 | 432 | 2.273 | 0.023 | 0.030 | \* |
| c | vals | 5 | 6 | 201 | 233 | 12.610 | 0.000 | 0.000 | \*\*\*\* |
| c | vals | 5 | 13 | 201 | 183 | 2.708 | 0.007 | 0.007 | \*\* |
| c | vals | 5 | 26 | 201 | 412 | 6.920 | 0.000 | 0.000 | \*\*\*\* |
| c | vals | 6 | 13 | 233 | 183 | -9.488 | 0.000 | 0.000 | \*\*\*\* |
| c | vals | 6 | 26 | 233 | 412 | -7.546 | 0.000 | 0.000 | \*\*\*\* |
| c | vals | 13 | 26 | 183 | 412 | 3.587 | 0.000 | 0.000 | \*\*\* |
| circ | vals | 5 | 6 | 209 | 244 | 12.245 | 0.000 | 0.000 | \*\*\*\* |
| circ | vals | 5 | 13 | 209 | 226 | 5.958 | 0.000 | 0.000 | \*\*\*\* |
| circ | vals | 5 | 26 | 209 | 432 | 6.951 | 0.000 | 0.000 | \*\*\*\* |
| circ | vals | 6 | 13 | 244 | 226 | -6.308 | 0.000 | 0.000 | \*\*\*\* |
| circ | vals | 6 | 26 | 244 | 432 | -7.098 | 0.000 | 0.000 | \*\*\*\* |
| circ | vals | 13 | 26 | 226 | 432 | 0.170 | 0.865 | 0.865 | ns |
| circNorm | vals | 5 | 6 | 209 | 244 | 12.245 | 0.000 | 0.000 | \*\*\*\* |
| circNorm | vals | 5 | 13 | 209 | 226 | 5.958 | 0.000 | 0.000 | \*\*\*\* |
| circNorm | vals | 5 | 26 | 209 | 432 | 6.951 | 0.000 | 0.000 | \*\*\*\* |
| circNorm | vals | 6 | 13 | 244 | 226 | -6.308 | 0.000 | 0.000 | \*\*\*\* |
| circNorm | vals | 6 | 26 | 244 | 432 | -7.098 | 0.000 | 0.000 | \*\*\*\* |
| circNorm | vals | 13 | 26 | 226 | 432 | 0.170 | 0.865 | 0.865 | ns |
| d | vals | 5 | 6 | 201 | 233 | 21.300 | 0.000 | 0.000 | \*\*\*\* |
| d | vals | 5 | 13 | 201 | 183 | 8.077 | 0.000 | 0.000 | \*\*\*\* |
| d | vals | 5 | 26 | 201 | 412 | 18.285 | 0.000 | 0.000 | \*\*\*\* |
| d | vals | 6 | 13 | 233 | 183 | -12.404 | 0.000 | 0.000 | \*\*\*\* |
| d | vals | 6 | 26 | 233 | 412 | -5.823 | 0.000 | 0.000 | \*\*\*\* |
| d | vals | 13 | 26 | 183 | 412 | 8.419 | 0.000 | 0.000 | \*\*\*\* |
| elonMinRect | vals | 5 | 6 | 209 | 244 | -9.696 | 0.000 | 0.000 | \*\*\*\* |
| elonMinRect | vals | 5 | 13 | 209 | 226 | 7.666 | 0.000 | 0.000 | \*\*\*\* |
| elonMinRect | vals | 5 | 26 | 209 | 430 | -7.220 | 0.000 | 0.000 | \*\*\*\* |
| elonMinRect | vals | 6 | 13 | 244 | 226 | 17.867 | 0.000 | 0.000 | \*\*\*\* |
| elonMinRect | vals | 6 | 26 | 244 | 430 | 3.806 | 0.000 | 0.000 | \*\*\* |
| elonMinRect | vals | 13 | 26 | 226 | 430 | -16.364 | 0.000 | 0.000 | \*\*\*\* |
| elonRatio | vals | 5 | 6 | 209 | 244 | -12.328 | 0.000 | 0.000 | \*\*\*\* |
| elonRatio | vals | 5 | 13 | 209 | 226 | -11.505 | 0.000 | 0.000 | \*\*\*\* |
| elonRatio | vals | 5 | 26 | 209 | 432 | -2.821 | 0.005 | 0.006 | \*\* |
| elonRatio | vals | 6 | 13 | 244 | 226 | 0.627 | 0.531 | 0.531 | ns |
| elonRatio | vals | 6 | 26 | 244 | 432 | 11.542 | 0.000 | 0.000 | \*\*\*\* |
| elonRatio | vals | 13 | 26 | 226 | 432 | 10.554 | 0.000 | 0.000 | \*\*\*\* |
| ewDist | vals | 5 | 6 | 209 | 244 | 3.165 | 0.002 | 0.002 | \*\* |
| ewDist | vals | 5 | 13 | 209 | 226 | 10.147 | 0.000 | 0.000 | \*\*\*\* |
| ewDist | vals | 5 | 26 | 209 | 432 | 23.408 | 0.000 | 0.000 | \*\*\*\* |
| ewDist | vals | 6 | 13 | 244 | 226 | 7.316 | 0.000 | 0.000 | \*\*\*\* |
| ewDist | vals | 6 | 26 | 244 | 432 | 20.903 | 0.000 | 0.000 | \*\*\*\* |
| ewDist | vals | 13 | 26 | 226 | 432 | 12.163 | 0.000 | 0.000 | \*\*\*\* |
| introduced | vals | 5 | 6 | 209 | 244 | 1.130 | 0.258 | 0.388 | ns |
| introduced | vals | 5 | 13 | 209 | 226 | 1.499 | 0.134 | 0.388 | ns |
| introduced | vals | 5 | 26 | 209 | 432 | 2.428 | 0.015 | 0.091 | ns |
| introduced | vals | 6 | 13 | 244 | 226 | 0.405 | 0.686 | 0.686 | ns |
| introduced | vals | 6 | 26 | 244 | 432 | 1.225 | 0.221 | 0.388 | ns |
| introduced | vals | 13 | 26 | 226 | 432 | 0.740 | 0.460 | 0.552 | ns |
| joincount\_delta | vals | 5 | 6 | 197 | 233 | 5.420 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_delta | vals | 5 | 13 | 197 | 183 | 3.418 | 0.001 | 0.001 | \*\*\* |
| joincount\_delta | vals | 5 | 26 | 197 | 412 | 18.175 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_delta | vals | 6 | 13 | 233 | 183 | -1.758 | 0.079 | 0.079 | ns |
| joincount\_delta | vals | 6 | 26 | 233 | 412 | 12.806 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_delta | vals | 13 | 26 | 183 | 412 | 13.771 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_expectation | vals | 5 | 6 | 197 | 233 | 0.408 | 0.683 | 0.837 | ns |
| joincount\_expectation | vals | 5 | 13 | 197 | 183 | -6.337 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_expectation | vals | 5 | 26 | 197 | 412 | 0.206 | 0.837 | 0.837 | ns |
| joincount\_expectation | vals | 6 | 13 | 233 | 183 | -6.987 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_expectation | vals | 6 | 26 | 233 | 412 | -0.264 | 0.792 | 0.837 | ns |
| joincount\_expectation | vals | 13 | 26 | 183 | 412 | 7.525 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_p\_val | vals | 5 | 6 | 196 | 227 | -14.738 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_p\_val | vals | 5 | 13 | 196 | 177 | -3.351 | 0.001 | 0.001 | \*\*\* |
| joincount\_p\_val | vals | 5 | 26 | 196 | 412 | -22.590 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_p\_val | vals | 6 | 13 | 227 | 177 | 10.866 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_p\_val | vals | 6 | 26 | 227 | 412 | -6.329 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_p\_val | vals | 13 | 26 | 177 | 412 | -17.944 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_statistic | vals | 5 | 6 | 197 | 233 | 3.441 | 0.001 | 0.001 | \*\*\* |
| joincount\_statistic | vals | 5 | 13 | 197 | 183 | -5.402 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_statistic | vals | 5 | 26 | 197 | 412 | 4.656 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_statistic | vals | 6 | 13 | 233 | 183 | -8.988 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_statistic | vals | 6 | 26 | 233 | 412 | 0.856 | 0.392 | 0.392 | ns |
| joincount\_statistic | vals | 13 | 26 | 183 | 412 | 10.783 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_variance | vals | 5 | 6 | 197 | 233 | 5.325 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_variance | vals | 5 | 13 | 197 | 183 | -1.263 | 0.207 | 0.248 | ns |
| joincount\_variance | vals | 5 | 26 | 197 | 412 | 6.894 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_variance | vals | 6 | 13 | 233 | 183 | -6.531 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_variance | vals | 6 | 26 | 233 | 412 | 0.997 | 0.319 | 0.319 | ns |
| joincount\_variance | vals | 13 | 26 | 183 | 412 | 8.181 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_zscore | vals | 5 | 6 | 196 | 227 | 8.659 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_zscore | vals | 5 | 13 | 196 | 177 | 5.345 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_zscore | vals | 5 | 26 | 196 | 412 | 14.378 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_zscore | vals | 6 | 13 | 227 | 177 | -2.893 | 0.004 | 0.004 | \*\* |
| joincount\_zscore | vals | 6 | 26 | 227 | 412 | 4.879 | 0.000 | 0.000 | \*\*\*\* |
| joincount\_zscore | vals | 13 | 26 | 177 | 412 | 7.715 | 0.000 | 0.000 | \*\*\*\* |
| lengthMinRect | vals | 5 | 6 | 209 | 244 | 3.592 | 0.000 | 0.000 | \*\*\* |
| lengthMinRect | vals | 5 | 13 | 209 | 226 | 12.279 | 0.000 | 0.000 | \*\*\*\* |
| lengthMinRect | vals | 5 | 26 | 209 | 430 | 23.383 | 0.000 | 0.000 | \*\*\*\* |
| lengthMinRect | vals | 6 | 13 | 244 | 226 | 9.097 | 0.000 | 0.000 | \*\*\*\* |
| lengthMinRect | vals | 6 | 26 | 244 | 430 | 20.377 | 0.000 | 0.000 | \*\*\*\* |
| lengthMinRect | vals | 13 | 26 | 226 | 430 | 9.656 | 0.000 | 0.000 | \*\*\*\* |
| lin | vals | 5 | 6 | 209 | 244 | -0.657 | 0.511 | 0.511 | ns |
| lin | vals | 5 | 13 | 209 | 226 | 14.501 | 0.000 | 0.000 | \*\*\*\* |
| lin | vals | 5 | 26 | 209 | 432 | 2.320 | 0.020 | 0.024 | \* |
| lin | vals | 6 | 13 | 244 | 226 | 15.744 | 0.000 | 0.000 | \*\*\*\* |
| lin | vals | 6 | 26 | 244 | 432 | 3.214 | 0.001 | 0.002 | \*\* |
| lin | vals | 13 | 26 | 226 | 432 | -14.570 | 0.000 | 0.000 | \*\*\*\* |
| log\_R2\_1 | vals | 5 | 6 | 201 | 233 | -1.361 | 0.174 | 0.208 | ns |
| log\_R2\_1 | vals | 5 | 13 | 201 | 183 | 2.944 | 0.003 | 0.010 | \*\* |
| log\_R2\_1 | vals | 5 | 26 | 201 | 412 | 0.908 | 0.364 | 0.364 | ns |
| log\_R2\_1 | vals | 6 | 13 | 233 | 183 | 4.371 | 0.000 | 0.000 | \*\*\*\* |
| log\_R2\_1 | vals | 6 | 26 | 233 | 412 | 2.551 | 0.011 | 0.018 | \* |
| log\_R2\_1 | vals | 13 | 26 | 183 | 412 | -2.507 | 0.012 | 0.018 | \* |
| maxDist | vals | 5 | 6 | 209 | 244 | 3.966 | 0.000 | 0.000 | \*\*\*\* |
| maxDist | vals | 5 | 13 | 209 | 226 | 11.794 | 0.000 | 0.000 | \*\*\*\* |
| maxDist | vals | 5 | 26 | 209 | 432 | 24.098 | 0.000 | 0.000 | \*\*\*\* |
| maxDist | vals | 6 | 13 | 244 | 226 | 8.211 | 0.000 | 0.000 | \*\*\*\* |
| maxDist | vals | 6 | 26 | 244 | 432 | 20.687 | 0.000 | 0.000 | \*\*\*\* |
| maxDist | vals | 13 | 26 | 226 | 432 | 10.946 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_border | vals | 5 | 6 | 209 | 244 | -7.497 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_border | vals | 5 | 13 | 209 | 226 | 7.071 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_border | vals | 5 | 26 | 209 | 432 | 20.235 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_border | vals | 6 | 13 | 244 | 226 | 15.004 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_border | vals | 6 | 26 | 244 | 432 | 30.114 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_border | vals | 13 | 26 | 226 | 432 | 12.503 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_centr | vals | 5 | 6 | 209 | 244 | -7.490 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_centr | vals | 5 | 13 | 209 | 226 | 7.064 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_centr | vals | 5 | 26 | 209 | 432 | 20.214 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_centr | vals | 6 | 13 | 244 | 226 | 14.989 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_centr | vals | 6 | 26 | 244 | 432 | 30.083 | 0.000 | 0.000 | \*\*\*\* |
| maxDist\_toBorder\_centr | vals | 13 | 26 | 226 | 432 | 12.490 | 0.000 | 0.000 | \*\*\*\* |
| mean\_lnLac | vals | 5 | 6 | 204 | 235 | 8.041 | 0.000 | 0.000 | \*\*\*\* |
| mean\_lnLac | vals | 5 | 13 | 204 | 193 | 10.245 | 0.000 | 0.000 | \*\*\*\* |
| mean\_lnLac | vals | 5 | 26 | 204 | 412 | 16.182 | 0.000 | 0.000 | \*\*\*\* |
| mean\_lnLac | vals | 6 | 13 | 235 | 193 | 2.669 | 0.008 | 0.008 | \*\* |
| mean\_lnLac | vals | 6 | 26 | 235 | 412 | 7.533 | 0.000 | 0.000 | \*\*\*\* |
| mean\_lnLac | vals | 13 | 26 | 193 | 412 | 4.088 | 0.000 | 0.000 | \*\*\*\* |
| mean\_prob\_cooccur | vals | 5 | 6 | 200 | 226 | -9.611 | 0.000 | 0.000 | \*\*\*\* |
| mean\_prob\_cooccur | vals | 5 | 13 | 200 | 175 | -13.751 | 0.000 | 0.000 | \*\*\*\* |
| mean\_prob\_cooccur | vals | 5 | 26 | 200 | 411 | -10.434 | 0.000 | 0.000 | \*\*\*\* |
| mean\_prob\_cooccur | vals | 6 | 13 | 226 | 175 | -4.869 | 0.000 | 0.000 | \*\*\*\* |
| mean\_prob\_cooccur | vals | 6 | 26 | 226 | 411 | 0.404 | 0.686 | 0.686 | ns |
| mean\_prob\_cooccur | vals | 13 | 26 | 175 | 411 | 5.803 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_border | vals | 5 | 6 | 209 | 244 | -7.493 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_border | vals | 5 | 13 | 209 | 226 | -14.993 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_border | vals | 5 | 26 | 209 | 432 | 11.859 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_border | vals | 6 | 13 | 244 | 226 | -7.936 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_border | vals | 6 | 26 | 244 | 432 | 21.296 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_border | vals | 13 | 26 | 226 | 432 | 29.698 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_centr | vals | 5 | 6 | 209 | 244 | -7.490 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_centr | vals | 5 | 13 | 209 | 226 | -14.988 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_centr | vals | 5 | 26 | 209 | 432 | 11.855 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_centr | vals | 6 | 13 | 244 | 226 | -7.933 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_centr | vals | 6 | 26 | 244 | 432 | 21.288 | 0.000 | 0.000 | \*\*\*\* |
| minDist\_toBorder\_centr | vals | 13 | 26 | 226 | 432 | 29.687 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I | vals | 5 | 6 | 197 | 233 | 4.909 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I | vals | 5 | 13 | 197 | 177 | 2.920 | 0.003 | 0.004 | \*\* |
| morans\_I | vals | 5 | 26 | 197 | 412 | 20.298 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I | vals | 6 | 13 | 233 | 177 | -1.732 | 0.083 | 0.083 | ns |
| morans\_I | vals | 6 | 26 | 233 | 412 | 15.654 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I | vals | 13 | 26 | 177 | 412 | 16.199 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I\_p | vals | 5 | 6 | 197 | 233 | -14.774 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I\_p | vals | 5 | 13 | 197 | 177 | -3.518 | 0.000 | 0.000 | \*\*\* |
| morans\_I\_p | vals | 5 | 26 | 197 | 412 | -23.065 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I\_p | vals | 6 | 13 | 233 | 177 | 10.687 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I\_p | vals | 6 | 26 | 233 | 412 | -6.929 | 0.000 | 0.000 | \*\*\*\* |
| morans\_I\_p | vals | 13 | 26 | 177 | 412 | -18.177 | 0.000 | 0.000 | \*\*\*\* |
| nsDist | vals | 5 | 6 | 209 | 244 | 4.732 | 0.000 | 0.000 | \*\*\*\* |
| nsDist | vals | 5 | 13 | 209 | 226 | 12.671 | 0.000 | 0.000 | \*\*\*\* |
| nsDist | vals | 5 | 26 | 209 | 432 | 23.965 | 0.000 | 0.000 | \*\*\*\* |
| nsDist | vals | 6 | 13 | 244 | 226 | 8.340 | 0.000 | 0.000 | \*\*\*\* |
| nsDist | vals | 6 | 26 | 244 | 432 | 19.645 | 0.000 | 0.000 | \*\*\*\* |
| nsDist | vals | 13 | 26 | 226 | 432 | 9.785 | 0.000 | 0.000 | \*\*\*\* |
| pd | vals | 5 | 6 | 206 | 236 | -1.545 | 0.122 | 0.183 | ns |
| pd | vals | 5 | 13 | 206 | 208 | 0.330 | 0.741 | 0.741 | ns |
| pd | vals | 5 | 26 | 206 | 417 | 1.550 | 0.121 | 0.183 | ns |
| pd | vals | 6 | 13 | 236 | 208 | 1.890 | 0.059 | 0.176 | ns |
| pd | vals | 6 | 26 | 236 | 417 | 3.429 | 0.001 | 0.004 | \*\* |
| pd | vals | 13 | 26 | 208 | 417 | 1.173 | 0.241 | 0.289 | ns |
| presence\_n | vals | 5 | 6 | 201 | 233 | 5.457 | 0.000 | 0.000 | \*\*\*\* |
| presence\_n | vals | 5 | 13 | 201 | 183 | -4.173 | 0.000 | 0.000 | \*\*\*\* |
| presence\_n | vals | 5 | 26 | 201 | 412 | 4.905 | 0.000 | 0.000 | \*\*\*\* |
| presence\_n | vals | 6 | 13 | 233 | 183 | -9.635 | 0.000 | 0.000 | \*\*\*\* |
| presence\_n | vals | 6 | 26 | 233 | 412 | -1.261 | 0.207 | 0.207 | ns |
| presence\_n | vals | 13 | 26 | 183 | 412 | 9.550 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_lat | vals | 5 | 6 | 209 | 244 | -11.250 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_lat | vals | 5 | 13 | 209 | 226 | -19.332 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_lat | vals | 5 | 26 | 209 | 432 | -0.079 | 0.937 | 0.937 | ns |
| range\_centr\_lat | vals | 6 | 13 | 244 | 226 | -8.610 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_lat | vals | 6 | 26 | 244 | 432 | 13.158 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_lat | vals | 13 | 26 | 226 | 432 | 22.518 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_long | vals | 5 | 6 | 209 | 244 | -16.361 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_long | vals | 5 | 13 | 209 | 226 | 12.381 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_long | vals | 5 | 26 | 209 | 432 | -2.869 | 0.004 | 0.004 | \*\* |
| range\_centr\_long | vals | 6 | 13 | 244 | 226 | 29.572 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_long | vals | 6 | 26 | 244 | 432 | 16.237 | 0.000 | 0.000 | \*\*\*\* |
| range\_centr\_long | vals | 13 | 26 | 226 | 432 | -17.417 | 0.000 | 0.000 | \*\*\*\* |
| ratio\_R2\_1 | vals | 5 | 6 | 201 | 233 | -1.362 | 0.173 | 0.208 | ns |
| ratio\_R2\_1 | vals | 5 | 13 | 201 | 183 | 2.942 | 0.003 | 0.010 | \*\* |
| ratio\_R2\_1 | vals | 5 | 26 | 201 | 412 | 0.905 | 0.365 | 0.365 | ns |
| ratio\_R2\_1 | vals | 6 | 13 | 233 | 183 | 4.371 | 0.000 | 0.000 | \*\*\*\* |
| ratio\_R2\_1 | vals | 6 | 26 | 233 | 412 | 2.549 | 0.011 | 0.018 | \* |
| ratio\_R2\_1 | vals | 13 | 26 | 183 | 412 | -2.508 | 0.012 | 0.018 | \* |
| relCirc | vals | 5 | 6 | 209 | 244 | 5.113 | 0.000 | 0.000 | \*\*\*\* |
| relCirc | vals | 5 | 13 | 209 | 226 | 11.168 | 0.000 | 0.000 | \*\*\*\* |
| relCirc | vals | 5 | 26 | 209 | 383 | -0.556 | 0.578 | 0.578 | ns |
| relCirc | vals | 6 | 13 | 244 | 226 | 6.389 | 0.000 | 0.000 | \*\*\*\* |
| relCirc | vals | 6 | 26 | 244 | 383 | -6.467 | 0.000 | 0.000 | \*\*\*\* |
| relCirc | vals | 13 | 26 | 226 | 383 | -13.347 | 0.000 | 0.000 | \*\*\*\* |
| rel\_circNorm | vals | 5 | 6 | 209 | 244 | 4.553 | 0.000 | 0.000 | \*\*\*\* |
| rel\_circNorm | vals | 5 | 13 | 209 | 226 | -9.694 | 0.000 | 0.000 | \*\*\*\* |
| rel\_circNorm | vals | 5 | 26 | 209 | 432 | -13.943 | 0.000 | 0.000 | \*\*\*\* |
| rel\_circNorm | vals | 6 | 13 | 244 | 226 | -14.725 | 0.000 | 0.000 | \*\*\*\* |
| rel\_circNorm | vals | 6 | 26 | 244 | 432 | -20.028 | 0.000 | 0.000 | \*\*\*\* |
| rel\_circNorm | vals | 13 | 26 | 226 | 432 | -2.978 | 0.003 | 0.003 | \*\* |
| rel\_elonRatio | vals | 5 | 6 | 209 | 244 | -1.604 | 0.109 | 0.109 | ns |
| rel\_elonRatio | vals | 5 | 13 | 209 | 226 | -4.419 | 0.000 | 0.000 | \*\*\*\* |
| rel\_elonRatio | vals | 5 | 26 | 209 | 432 | -16.892 | 0.000 | 0.000 | \*\*\*\* |
| rel\_elonRatio | vals | 6 | 13 | 244 | 226 | -2.956 | 0.003 | 0.004 | \*\* |
| rel\_elonRatio | vals | 6 | 26 | 244 | 432 | -15.885 | 0.000 | 0.000 | \*\*\*\* |
| rel\_elonRatio | vals | 13 | 26 | 226 | 432 | -12.171 | 0.000 | 0.000 | \*\*\*\* |
| rel\_ewDist | vals | 5 | 6 | 209 | 244 | -4.844 | 0.000 | 0.000 | \*\*\*\* |
| rel\_ewDist | vals | 5 | 13 | 209 | 226 | -12.686 | 0.000 | 0.000 | \*\*\*\* |
| rel\_ewDist | vals | 5 | 26 | 209 | 432 | -15.802 | 0.000 | 0.000 | \*\*\*\* |
| rel\_ewDist | vals | 6 | 13 | 244 | 226 | -8.242 | 0.000 | 0.000 | \*\*\*\* |
| rel\_ewDist | vals | 6 | 26 | 244 | 432 | -10.926 | 0.000 | 0.000 | \*\*\*\* |
| rel\_ewDist | vals | 13 | 26 | 226 | 432 | -1.389 | 0.165 | 0.165 | ns |
| rel\_lin | vals | 5 | 6 | 209 | 244 | 6.505 | 0.000 | 0.000 | \*\*\*\* |
| rel\_lin | vals | 5 | 13 | 209 | 226 | 1.910 | 0.056 | 0.067 | ns |
| rel\_lin | vals | 5 | 26 | 209 | 432 | 8.622 | 0.000 | 0.000 | \*\*\*\* |
| rel\_lin | vals | 6 | 13 | 244 | 226 | -4.655 | 0.000 | 0.000 | \*\*\*\* |
| rel\_lin | vals | 6 | 26 | 244 | 432 | 1.416 | 0.157 | 0.157 | ns |
| rel\_lin | vals | 13 | 26 | 226 | 432 | 6.617 | 0.000 | 0.000 | \*\*\*\* |
| rel\_maxDist | vals | 5 | 6 | 209 | 244 | -4.030 | 0.000 | 0.000 | \*\*\*\* |
| rel\_maxDist | vals | 5 | 13 | 209 | 226 | -13.355 | 0.000 | 0.000 | \*\*\*\* |
| rel\_maxDist | vals | 5 | 26 | 209 | 432 | -15.307 | 0.000 | 0.000 | \*\*\*\* |
| rel\_maxDist | vals | 6 | 13 | 244 | 226 | -9.768 | 0.000 | 0.000 | \*\*\*\* |
| rel\_maxDist | vals | 6 | 26 | 244 | 432 | -11.362 | 0.000 | 0.000 | \*\*\*\* |
| rel\_maxDist | vals | 13 | 26 | 226 | 432 | -0.099 | 0.921 | 0.921 | ns |
| rel\_nsDist | vals | 5 | 6 | 209 | 244 | -4.978 | 0.000 | 0.000 | \*\*\*\* |
| rel\_nsDist | vals | 5 | 13 | 209 | 226 | -12.527 | 0.000 | 0.000 | \*\*\*\* |
| rel\_nsDist | vals | 5 | 26 | 209 | 432 | -17.490 | 0.000 | 0.000 | \*\*\*\* |
| rel\_nsDist | vals | 6 | 13 | 244 | 226 | -7.940 | 0.000 | 0.000 | \*\*\*\* |
| rel\_nsDist | vals | 6 | 26 | 244 | 432 | -12.544 | 0.000 | 0.000 | \*\*\*\* |
| rel\_nsDist | vals | 13 | 26 | 226 | 432 | -3.307 | 0.001 | 0.001 | \*\*\* |
| rel\_occ\_Ncells | vals | 5 | 6 | 201 | 233 | -7.370 | 0.000 | 0.000 | \*\*\*\* |
| rel\_occ\_Ncells | vals | 5 | 13 | 201 | 183 | -9.478 | 0.000 | 0.000 | \*\*\*\* |
| rel\_occ\_Ncells | vals | 5 | 26 | 201 | 412 | -6.668 | 0.000 | 0.000 | \*\*\*\* |
| rel\_occ\_Ncells | vals | 6 | 13 | 233 | 183 | -2.621 | 0.009 | 0.011 | \* |
| rel\_occ\_Ncells | vals | 6 | 26 | 233 | 412 | 1.657 | 0.097 | 0.097 | ns |
| rel\_occ\_Ncells | vals | 13 | 26 | 183 | 412 | 4.443 | 0.000 | 0.000 | \*\*\*\* |
| southerness | vals | 5 | 6 | 209 | 244 | 14.963 | 0.000 | 0.000 | \*\*\*\* |
| southerness | vals | 5 | 13 | 209 | 226 | 7.064 | 0.000 | 0.000 | \*\*\*\* |
| southerness | vals | 5 | 26 | 209 | 432 | 29.239 | 0.000 | 0.000 | \*\*\*\* |
| southerness | vals | 6 | 13 | 244 | 226 | -7.933 | 0.000 | 0.000 | \*\*\*\* |
| southerness | vals | 6 | 26 | 244 | 432 | 13.154 | 0.000 | 0.000 | \*\*\*\* |
| southerness | vals | 13 | 26 | 226 | 432 | 21.753 | 0.000 | 0.000 | \*\*\*\* |
| sp\_remove\_expert | vals | 5 | 6 | 209 | 244 | 0.000 | 1.000 | 1.000 | ns |
| sp\_remove\_expert | vals | 5 | 13 | 209 | 226 | 7.769 | 0.000 | 0.000 | \*\*\*\* |
| sp\_remove\_expert | vals | 5 | 26 | 209 | 432 | 0.000 | 1.000 | 1.000 | ns |
| sp\_remove\_expert | vals | 6 | 13 | 244 | 226 | 8.075 | 0.000 | 0.000 | \*\*\*\* |
| sp\_remove\_expert | vals | 6 | 26 | 244 | 432 | 0.000 | 1.000 | 1.000 | ns |
| sp\_remove\_expert | vals | 13 | 26 | 226 | 432 | -9.081 | 0.000 | 0.000 | \*\*\*\* |
| sp\_sampling\_repeats | vals | 5 | 6 | 207 | 237 | 0.930 | 0.352 | 0.352 | ns |
| sp\_sampling\_repeats | vals | 5 | 13 | 207 | 193 | -1.667 | 0.095 | 0.143 | ns |
| sp\_sampling\_repeats | vals | 5 | 26 | 207 | 412 | 2.487 | 0.013 | 0.026 | \* |
| sp\_sampling\_repeats | vals | 6 | 13 | 237 | 193 | -2.634 | 0.008 | 0.025 | \* |
| sp\_sampling\_repeats | vals | 6 | 26 | 237 | 412 | 1.513 | 0.130 | 0.156 | ns |
| sp\_sampling\_repeats | vals | 13 | 26 | 193 | 412 | 4.341 | 0.000 | 0.000 | \*\*\*\* |
| species\_keep | vals | 5 | 6 | 209 | 244 | -0.276 | 0.783 | 0.939 | ns |
| species\_keep | vals | 5 | 13 | 209 | 226 | -6.055 | 0.000 | 0.000 | \*\*\*\* |
| species\_keep | vals | 5 | 26 | 209 | 432 | -0.364 | 0.716 | 0.939 | ns |
| species\_keep | vals | 6 | 13 | 244 | 226 | -6.012 | 0.000 | 0.000 | \*\*\*\* |
| species\_keep | vals | 6 | 26 | 244 | 432 | -0.058 | 0.954 | 0.954 | ns |
| species\_keep | vals | 13 | 26 | 226 | 432 | 6.704 | 0.000 | 0.000 | \*\*\*\* |
| westernnes | vals | 5 | 6 | 209 | 244 | 7.490 | 0.000 | 0.000 | \*\*\*\* |
| westernnes | vals | 5 | 13 | 209 | 226 | 14.988 | 0.000 | 0.000 | \*\*\*\* |
| westernnes | vals | 5 | 26 | 209 | 432 | 29.239 | 0.000 | 0.000 | \*\*\*\* |
| westernnes | vals | 6 | 13 | 244 | 226 | 7.933 | 0.000 | 0.000 | \*\*\*\* |
| westernnes | vals | 6 | 26 | 244 | 432 | 21.949 | 0.000 | 0.000 | \*\*\*\* |
| westernnes | vals | 13 | 26 | 226 | 432 | 12.490 | 0.000 | 0.000 | \*\*\*\* |
| widthMinRect | vals | 5 | 6 | 209 | 244 | 4.748 | 0.000 | 0.000 | \*\*\*\* |
| widthMinRect | vals | 5 | 13 | 209 | 226 | 7.671 | 0.000 | 0.000 | \*\*\*\* |
| widthMinRect | vals | 5 | 26 | 209 | 432 | 23.663 | 0.000 | 0.000 | \*\*\*\* |
| widthMinRect | vals | 6 | 13 | 244 | 226 | 3.127 | 0.002 | 0.002 | \*\* |
| widthMinRect | vals | 6 | 26 | 244 | 432 | 19.309 | 0.000 | 0.000 | \*\*\*\* |
| widthMinRect | vals | 13 | 26 | 226 | 432 | 15.320 | 0.000 | 0.000 | \*\*\*\* |