**Supplementary material Table 4**: position on the ordination of all fitted environmental variables (NMDS1 and NMDS2) and their significance

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | | | **BIRDS** | | | | | **LICHENS** | | | | | | | **BUTTERFLIES** | | | | | | **OTHER-ARTHRPPODS** | | | | |
| **type of variable** | **variable details** |  | **variable** | **NMDS1** | | **NMDS2** | ***p*** |  |  | | **NMDS1** | **NMDS2** | ***p*** |  |  | **NMDS1** | | **NMDS2** | ***p*** |  |  | **NMDS1** | | **NMDS2** | ***p*** |  |
| Potential Solar Radiation | sum for the year |  | PSR\_year | 0.07 | | 0.41 | 0.05 |  |  | | 0.15 | -0.48 | 0.04 | \* |  | 0.18 | | -0.37 | 0.08 |  |  | -0.07 | | 0.14 | 0.64 |  |
| (Microclimate) | December |  | PSR\_decem | 0.07 | | 0.38 | 0.10 |  |  | | 0.09 | -0.50 | 0.03 | \* |  | 0.15 | | -0.34 | 0.14 |  |  | -0.10 | | 0.13 | 0.65 |  |
|  | June |  | PSR\_june | 0.06 | | 0.42 | 0.03 | \* |  | | 0.19 | -0.45 | 0.06 |  |  | 0.19 | | -0.37 | 0.07 |  |  | -0.05 | | 0.15 | 0.62 |  |
| Patch size metrics | area |  | area | -0.38 | | 0.10 | 0.09 |  |  | | 0.37 | 0.14 | 0.12 |  |  | 0.00 | | 0.08 | 0.90 |  |  | 0.21 | | 0.23 | 0.21 |  |
|  | perimeter |  | perim | -0.42 | | 0.21 | 0.03 | \* |  | | 0.41 | 0.12 | 0.06 |  |  | 0.04 | | 0.07 | 0.90 |  |  | 0.16 | | 0.25 | 0.28 |  |
|  | gyrate level |  | gyrate | -0.41 | | 0.15 | 0.04 | \* |  | | 0.41 | 0.15 | 0.06 |  |  | 0.01 | | 0.11 | 0.81 |  |  | 0.12 | | 0.23 | 0.35 |  |
| Patch shape metric | perimeter/area ratio |  | perim\_area | 0.41 | | -0.04 | 0.06 |  |  | | -0.52 | -0.09 | 0.01 | \* |  | 0.17 | | -0.16 | 0.43 |  |  | -0.06 | | 0.01 | 0.93 |  |
|  | shape index |  | shape\_ix | -0.07 | | 0.14 | 0.70 |  |  | | 0.05 | 0.10 | 0.83 |  |  | 0.00 | | 0.01 | 1.00 |  |  | 0.03 | | 0.27 | 0.32 |  |
|  | fractal dimension index |  | fractal\_ix | 0.18 | | 0.02 | 0.61 |  |  | | -0.18 | 0.08 | 0.58 |  |  | 0.04 | | -0.04 | 0.95 |  |  | -0.04 | | 0.28 | 0.33 |  |
|  | related circumscribing circle |  | circle | 0.16 | | -0.08 | 0.62 |  |  | | -0.31 | -0.01 | 0.24 |  |  | 0.02 | | 0.10 | 0.87 |  |  | -0.30 | | 0.09 | 0.26 |  |
| Patch connectivity metrics | contiguity index |  | contiguit\_ix | -0.38 | | 0.08 | 0.10 |  |  | | 0.53 | 0.05 | 0.01 | \*\* |  | -0.12 | | 0.15 | 0.56 |  |  | 0.11 | | -0.05 | 0.81 |  |
| Distance to the coast |  |  | dist\_coast | 0.50 | | -0.02 | 0.02 | \* |  | | -0.25 | -0.07 | 0.39 |  |  | 0.17 | | -0.47 | 0.01 | \* |  | -0.08 | | -0.21 | 0.52 |  |
| Vegetation density | Normalized Difference Vegetation Index (NDVI) for August |  | NDVI\_0001 | -0.37 | | -0.06 | 0.12 |  |  | | 0.59 | -0.15 | <0.01 | \*\* |  | 0.05 | | 0.17 | 0.62 |  |  | 0.03 | | -0.08 | 0.89 |  |
| (circular areas with different radius, m) |  | NDVI\_0010 | -0.30 | | 0.01 | 0.28 |  |  | | 0.60 | -0.06 | <0.01 | \*\* |  | 0.13 | | 0.21 | 0.42 |  |  | 0.01 | | -0.07 | 0.94 |  |
|  |  |  | NDVI\_0020 | -0.28 | | 0.04 | 0.31 |  |  | | 0.66 | 0.01 | <0.001 | \*\*\* |  | 0.12 | | 0.18 | 0.53 |  |  | -0.01 | | -0.04 | 0.97 |  |
|  |  |  | NDVI\_0040 | -0.34 | | 0.05 | 0.19 |  |  | | 0.68 | 0.08 | <0.001 | \*\*\* |  | 0.11 | | 0.19 | 0.51 |  |  | -0.04 | | 0.06 | 0.94 |  |
|  |  |  | NDVI\_0080 | -0.31 | | 0.03 | 0.22 |  |  | | 0.68 | 0.05 | <0.001 | \*\*\* |  | 0.05 | | 0.10 | 0.84 |  |  | -0.01 | | 0.09 | 0.89 |  |
|  |  |  | NDVI\_0160 | -0.24 | | -0.02 | 0.42 |  |  | | 0.57 | -0.09 | <0.01 | \*\* |  | -0.01 | | 0.07 | 0.94 |  |  | 0.00 | | 0.04 | 0.98 |  |
| Artificial areas | Sum of Urban and Roads |  | artif\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
| (circular areas with different radius, m) |  | artif\_0010 | 0.11 | | -0.46 | 0.01 | \* |  | | -0.33 | 0.02 | 0.19 |  |  | -0.04 | | -0.13 | 0.73 |  |  | 0.04 | | -0.20 | 0.54 |  |
|  |  | artif\_0020 | 0.13 | | -0.50 | <0.01 | \*\* |  | | -0.36 | 0.09 | 0.14 |  |  | -0.05 | | -0.10 | 0.81 |  |  | 0.04 | | -0.22 | 0.49 |  |
|  |  | artif\_0040 | 0.19 | | -0.51 | <0.01 | \*\* |  | | -0.40 | 0.17 | 0.06 |  |  | -0.08 | | -0.06 | 0.84 |  |  | 0.02 | | -0.11 | 0.83 |  |
|  |  | artif\_0080 | 0.39 | | -0.37 | <0.01 | \*\* |  | | -0.46 | 0.02 | 0.04 | \* |  | -0.13 | | -0.02 | 0.76 |  |  | -0.09 | | -0.02 | 0.88 |  |
|  |  | artif\_0160 | 0.58 | | -0.14 | <0.01 | \*\* |  | | -0.34 | -0.08 | 0.17 |  |  | -0.13 | | -0.01 | 0.80 |  |  | -0.16 | | -0.02 | 0.71 |  |
|  |  | artif\_0320 | 0.54 | | -0.07 | <0.01 | \*\* |  | | -0.34 | -0.11 | 0.13 |  |  | -0.08 | | -0.05 | 0.88 |  |  | -0.15 | | 0.09 | 0.66 |  |
|  |  | artif\_0640 | 0.51 | | -0.04 | 0.01 | \* |  | | -0.30 | -0.07 | 0.24 |  |  | -0.01 | | -0.07 | 0.94 |  |  | -0.09 | | 0.10 | 0.77 |  |
|  |  | artif\_1280 | 0.53 | | -0.16 | 0.01 | \*\* |  | | -0.23 | -0.15 | 0.31 |  |  | 0.09 | | -0.29 | 0.27 |  |  | -0.03 | | -0.06 | 0.95 |  |
|  |  | artif\_2560 | 0.41 | | -0.27 | 0.02 | \* |  | | -0.30 | -0.02 | 0.26 |  |  | 0.06 | | -0.35 | 0.14 |  |  | -0.09 | | -0.15 | 0.66 |  |
| Urban areas | Sum of all urban density classes |  | urb\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
| (circular areas with different radius, m) |  | urb\_0010 | 0.01 | | -0.42 | 0.04 | \* |  | | -0.07 | 0.17 | 0.58 |  |  | -0.03 | | -0.10 | 0.79 |  |  | -0.01 | | 0.06 | 0.94 |  |
|  |  | urb\_0020 | 0.02 | | -0.42 | 0.04 | \* |  | | -0.06 | 0.18 | 0.55 |  |  | -0.03 | | -0.09 | 0.84 |  |  | -0.01 | | 0.07 | 0.91 |  |
|  |  | urb\_0040 | 0.08 | | -0.43 | 0.03 | \* |  | | -0.10 | 0.23 | 0.35 |  |  | -0.04 | | -0.07 | 0.85 |  |  | -0.05 | | 0.19 | 0.52 |  |
|  |  | urb\_0080 | 0.34 | | -0.30 | 0.04 | \* |  | | -0.15 | 0.17 | 0.47 |  |  | -0.04 | | -0.10 | 0.81 |  |  | -0.20 | | 0.31 | 0.13 |  |
|  |  | urb\_0160 | 0.56 | | -0.05 | <0.01 | \*\* |  | | -0.12 | -0.03 | 0.81 |  |  | 0.02 | | -0.12 | 0.82 |  |  | -0.27 | | 0.22 | 0.17 |  |
|  |  | urb\_0320 | 0.57 | | -0.02 | <0.01 | \*\* |  | | -0.20 | -0.17 | 0.37 |  |  | 0.04 | | -0.15 | 0.73 |  |  | -0.19 | | 0.14 | 0.47 |  |
|  |  | urb\_0640 | 0.56 | | 0.09 | <0.01 | \*\* |  | | -0.20 | -0.07 | 0.53 |  |  | 0.07 | | -0.15 | 0.70 |  |  | -0.10 | | 0.14 | 0.66 |  |
|  |  | urb\_1280 | 0.64 | | -0.02 | <0.001 | \*\*\* |  | | -0.10 | -0.15 | 0.65 |  |  | 0.16 | | -0.39 | 0.07 |  |  | -0.09 | | -0.03 | 0.89 |  |
|  |  | urb\_2560 | 0.57 | | -0.16 | <0.01 | \*\* |  | | -0.17 | -0.02 | 0.66 |  |  | 0.13 | | -0.35 | 0.14 |  |  | -0.17 | | -0.10 | 0.60 |  |
| Low density urban areas | Sum of Discontinuous Very Low Density Urban Fabric and Isolated Structures) |  | urb\_low\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
| (circular areas with different radius, m) |  | urb\_low\_0010 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
|  |  | urb\_low\_0020 | -0.14 | | -0.23 | 0.43 |  |  | | 0.04 | -0.02 | 0.96 |  |  | 0.00 | | 0.05 | 1.00 |  |  | 0.11 | | 0.00 | 0.76 |  |
|  |  | urb\_low\_0040 | -0.14 | | -0.23 | 0.43 |  |  | | 0.04 | -0.02 | 0.96 |  |  | 0.00 | | 0.05 | 1.00 |  |  | 0.11 | | 0.00 | 0.76 |  |
|  |  | urb\_low\_0080 | -0.05 | | -0.28 | 0.29 |  |  | | -0.07 | -0.08 | 0.85 |  |  | 0.00 | | 0.12 | 0.76 |  |  | 0.27 | | 0.10 | 0.27 |  |
|  |  | urb\_low\_0160 | -0.01 | | -0.09 | 0.88 |  |  | | -0.09 | -0.22 | 0.40 |  |  | -0.01 | | 0.10 | 0.85 |  |  | 0.39 | | 0.09 | 0.09 |  |
|  |  | urb\_low\_0320 | 0.47 | | 0.18 | 0.01 | \* |  | | 0.02 | -0.28 | 0.31 |  |  | 0.37 | | -0.21 | 0.06 |  |  | 0.05 | | -0.16 | 0.62 |  |
|  |  | urb\_low\_0640 | 0.43 | | 0.07 | 0.04 | \* |  | | 0.10 | 0.07 | 0.77 |  |  | 0.41 | | 0.01 | 0.09 |  |  | -0.11 | | 0.19 | 0.47 |  |
|  |  | urb\_low\_1280 | 0.29 | | 0.00 | 0.31 |  |  | | 0.35 | -0.24 | 0.07 |  |  | 0.35 | | 0.11 | 0.15 |  |  | -0.12 | | -0.04 | 0.77 |  |
|  |  | urb\_low\_2560 | -0.02 | | -0.14 | 0.77 |  |  | | 0.29 | -0.16 | 0.20 |  |  | 0.22 | | 0.21 | 0.26 |  |  | -0.12 | | -0.06 | 0.75 |  |
| Medium density urban areas | Sum of Discontinuous Medium Density Urban Fabric and Discontinuous Low Density Urban Fabric |  | urb\_mid\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
| (circular areas with different radius, m) |  | urb\_mid\_0010 | 0.11 | | -0.26 | 0.34 |  |  | | -0.01 | 0.21 | 0.49 |  |  | 0.04 | | 0.06 | 0.89 |  |  | 0.05 | | 0.11 | 0.70 |  |
|  |  | urb\_mid\_0020 | 0.11 | | -0.26 | 0.34 |  |  | | -0.01 | 0.21 | 0.49 |  |  | 0.04 | | 0.06 | 0.89 |  |  | 0.05 | | 0.11 | 0.70 |  |
|  |  | urb\_mid\_0040 | 0.12 | | -0.25 | 0.38 |  |  | | 0.00 | 0.23 | 0.39 |  |  | -0.04 | | 0.03 | 0.97 |  |  | 0.06 | | 0.12 | 0.65 |  |
|  |  | urb\_mid\_0080 | 0.30 | | 0.03 | 0.27 |  |  | | 0.28 | 0.13 | 0.25 |  |  | -0.22 | | -0.17 | 0.32 |  |  | -0.24 | | 0.01 | 0.44 |  |
|  |  | urb\_mid\_0160 | 0.33 | | 0.06 | 0.21 |  |  | | 0.33 | 0.04 | 0.18 |  |  | -0.06 | | -0.09 | 0.84 |  |  | -0.33 | | -0.03 | 0.19 |  |
|  |  | urb\_mid\_0320 | 0.33 | | -0.11 | 0.19 |  |  | | 0.36 | -0.02 | 0.14 |  |  | 0.06 | | -0.11 | 0.78 |  |  | -0.28 | | -0.08 | 0.28 |  |
|  |  | urb\_mid\_0640 | 0.33 | | 0.01 | 0.21 |  |  | | 0.31 | -0.15 | 0.18 |  |  | 0.28 | | 0.03 | 0.30 |  |  | -0.15 | | -0.12 | 0.58 |  |
|  |  | urb\_mid\_1280 | 0.32 | | -0.01 | 0.22 |  |  | | 0.28 | -0.07 | 0.32 |  |  | 0.18 | | 0.01 | 0.61 |  |  | -0.12 | | -0.05 | 0.79 |  |
|  |  | urb\_mid\_2560 | 0.22 | | 0.02 | 0.50 |  |  | | 0.31 | -0.03 | 0.25 |  |  | 0.05 | | -0.06 | 0.91 |  |  | -0.20 | | -0.09 | 0.52 |  |
| High density urban areas | Sum of Continuous Urban Fabric and Discontinuous Dense Urban Fabric |  | urb\_high\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
| (circular areas with different radius, m) |  | urb\_high\_0010 | -0.06 | | -0.33 | 0.12 |  |  | | -0.09 | 0.06 | 0.74 |  |  | -0.06 | | -0.17 | 0.52 |  |  | -0.06 | | 0.00 | 0.95 |  |
|  |  | urb\_high\_0020 | -0.03 | | -0.37 | 0.08 |  |  | | -0.08 | 0.11 | 0.69 |  |  | -0.06 | | -0.15 | 0.58 |  |  | -0.05 | | 0.03 | 0.94 |  |
|  |  | urb\_high\_0040 | 0.06 | | -0.37 | 0.10 |  |  | | -0.14 | 0.18 | 0.40 |  |  | -0.03 | | -0.11 | 0.75 |  |  | -0.11 | | 0.18 | 0.46 |  |
|  |  | urb\_high\_0080 | 0.25 | | -0.30 | 0.10 |  |  | | -0.31 | 0.17 | 0.15 |  |  | 0.05 | | -0.07 | 0.87 |  |  | -0.18 | | 0.32 | 0.13 |  |
|  |  | urb\_high\_0160 | 0.50 | | -0.09 | 0.01 | \* |  | | -0.39 | -0.04 | 0.10 |  |  | 0.06 | | -0.12 | 0.78 |  |  | -0.16 | | 0.29 | 0.21 |  |
|  |  | urb\_high\_0320 | 0.42 | | 0.03 | 0.06 |  |  | | -0.51 | -0.16 | 0.01 | \*\* |  | -0.03 | | -0.09 | 0.87 |  |  | -0.06 | | 0.22 | 0.51 |  |
|  |  | urb\_high\_0640 | 0.37 | | 0.09 | 0.13 |  |  | | -0.48 | 0.01 | 0.02 | \* |  | -0.12 | | -0.20 | 0.47 |  |  | -0.01 | | 0.20 | 0.57 |  |
|  |  | urb\_high\_1280 | 0.36 | | -0.01 | 0.14 |  |  | | -0.41 | -0.07 | 0.07 |  |  | -0.01 | | -0.40 | 0.08 |  |  | 0.02 | | 0.01 | 1.00 |  |
|  |  | urb\_high\_2560 | 0.40 | | -0.12 | 0.08 |  |  | | -0.32 | 0.02 | 0.23 |  |  | 0.06 | | -0.41 | 0.08 |  |  | -0.05 | | -0.04 | 0.95 |  |
| Roads | Sum of roads and railways |  | roads\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
|  |  | roads\_0010 | 0.11 | | -0.26 | 0.34 |  |  | | -0.01 | 0.21 | 0.49 |  |  | 0.04 | | 0.06 | 0.89 |  |  | 0.05 | | 0.11 | 0.70 |  |
|  |  | roads\_0020 | 0.25 | | -0.21 | 0.21 |  |  | | -0.04 | 0.27 | 0.31 |  |  | 0.19 | | 0.00 | 0.52 |  |  | 0.07 | | 0.09 | 0.76 |  |
|  |  | roads\_0040 | 0.32 | | -0.06 | 0.20 |  |  | | -0.22 | 0.17 | 0.31 |  |  | 0.21 | | -0.10 | 0.41 |  |  | 0.27 | | 0.13 | 0.25 |  |
|  |  | roads\_0080 | 0.18 | | 0.01 | 0.64 |  |  | | -0.22 | -0.29 | 0.12 |  |  | 0.02 | | -0.07 | 0.92 |  |  | 0.18 | | 0.09 | 0.58 |  |
|  |  | roads\_0160 | 0.22 | | 0.03 | 0.49 |  |  | | -0.25 | -0.21 | 0.19 |  |  | -0.02 | | -0.13 | 0.79 |  |  | 0.19 | | -0.02 | 0.62 |  |
|  |  | roads\_0320 | 0.13 | | -0.01 | 0.79 |  |  | | -0.31 | -0.10 | 0.19 |  |  | -0.11 | | -0.05 | 0.85 |  |  | -0.01 | | 0.17 | 0.69 |  |
|  |  | roads\_0640 | 0.13 | | -0.06 | 0.72 |  |  | | -0.20 | -0.20 | 0.28 |  |  | -0.11 | | -0.01 | 0.86 |  |  | 0.02 | | 0.11 | 0.85 |  |
|  |  | roads\_1280 | 0.12 | | -0.25 | 0.31 |  |  | | -0.35 | -0.14 | 0.12 |  |  | -0.06 | | -0.13 | 0.75 |  |  | 0.06 | | -0.07 | 0.89 |  |
|  |  | roads\_2560 | 0.15 | | -0.36 | 0.08 |  |  | | -0.42 | -0.01 | 0.07 |  |  | -0.02 | | -0.21 | 0.50 |  |  | -0.01 | | -0.15 | 0.72 |  |
| Green areas | Gardens and Sport areas |  | urb\_green\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
|  |  | urb\_green\_0010 | 0.15 | | 0.19 | 0.46 |  |  | | 0.33 | 0.06 | 0.18 |  |  | 0.02 | | 0.37 | 0.13 |  |  | -0.12 | | 0.36 | 0.12 |  |
|  |  | urb\_green\_0020 | 0.15 | | 0.19 | 0.46 |  |  | | 0.34 | 0.05 | 0.18 |  |  | 0.02 | | 0.37 | 0.13 |  |  | -0.12 | | 0.36 | 0.14 |  |
|  |  | urb\_green\_0040 | 0.11 | | 0.18 | 0.53 |  |  | | 0.35 | 0.00 | 0.16 |  |  | 0.03 | | 0.37 | 0.14 |  |  | -0.08 | | 0.31 | 0.22 |  |
|  |  | urb\_green\_0080 | -0.02 | | 0.15 | 0.75 |  |  | | 0.36 | -0.03 | 0.14 |  |  | 0.05 | | 0.40 | 0.09 |  |  | -0.02 | | 0.29 | 0.30 |  |
|  |  | urb\_green\_0160 | -0.21 | | 0.13 | 0.40 |  |  | | 0.32 | 0.03 | 0.23 |  |  | 0.12 | | 0.43 | 0.05 |  |  | 0.07 | | 0.29 | 0.27 |  |
|  |  | urb\_green\_0320 | -0.26 | | 0.19 | 0.22 |  |  | | 0.30 | 0.05 | 0.26 |  |  | 0.14 | | 0.42 | 0.06 |  |  | 0.12 | | 0.26 | 0.29 |  |
|  |  | urb\_green\_0640 | -0.20 | | 0.21 | 0.27 |  |  | | 0.24 | 0.14 | 0.35 |  |  | 0.16 | | 0.41 | 0.06 |  |  | 0.12 | | 0.35 | 0.14 |  |
|  |  | urb\_green\_1280 | -0.05 | | 0.32 | 0.20 |  |  | | 0.07 | 0.07 | 0.88 |  |  | 0.16 | | 0.34 | 0.13 |  |  | 0.16 | | 0.36 | 0.12 |  |
|  |  | urb\_green\_2560 | 0.14 | | 0.01 | 0.78 |  |  | | -0.10 | 0.05 | 0.86 |  |  | 0.11 | | -0.27 | 0.27 |  |  | 0.18 | | 0.36 | 0.08 |  |
| Agriculture & Semi-natural areas | Agriculture, Shrublands, Dunes and Wetlands |  | agr\_nat\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
|  |  | agr\_nat\_0010 | -0.09 | | 0.02 | 0.91 |  |  | | -0.15 | 0.17 | 0.47 |  |  | 0.19 | | -0.30 | 0.16 |  |  | 0.21 | | -0.13 | 0.38 |  |
|  |  | agr\_nat\_0020 | -0.10 | | 0.05 | 0.86 |  |  | | -0.14 | 0.14 | 0.60 |  |  | 0.19 | | -0.33 | 0.12 |  |  | 0.22 | | -0.12 | 0.40 |  |
|  |  | agr\_nat\_0040 | -0.10 | | 0.06 | 0.84 |  |  | | -0.13 | 0.13 | 0.64 |  |  | 0.20 | | -0.34 | 0.08 |  |  | 0.20 | | -0.12 | 0.43 |  |
|  |  | agr\_nat\_0080 | -0.08 | | 0.09 | 0.81 |  |  | | -0.12 | 0.14 | 0.60 |  |  | 0.20 | | -0.35 | 0.08 |  |  | 0.19 | | -0.23 | 0.27 |  |
|  |  | agr\_nat\_0160 | 0.03 | | 0.02 | 0.98 |  |  | | -0.14 | 0.19 | 0.45 |  |  | 0.15 | | -0.39 | 0.05 |  |  | 0.15 | | -0.32 | 0.14 |  |
|  |  | agr\_nat\_0320 | 0.07 | | -0.08 | 0.86 |  |  | | -0.13 | 0.16 | 0.55 |  |  | 0.12 | | -0.36 | 0.10 |  |  | 0.10 | | -0.37 | 0.10 |  |
|  |  | agr\_nat\_0640 | 0.00 | | 0.00 | 1.00 |  |  | | -0.16 | 0.05 | 0.65 |  |  | 0.12 | | -0.34 | 0.12 |  |  | 0.09 | | -0.35 | 0.15 |  |
|  |  | agr\_nat\_1280 | -0.10 | | 0.06 | 0.84 |  |  | | -0.23 | 0.00 | 0.47 |  |  | 0.19 | | -0.22 | 0.29 |  |  | 0.08 | | -0.17 | 0.60 |  |
|  |  | agr\_nat\_2560 | -0.19 | | -0.07 | 0.55 |  |  | | -0.31 | -0.07 | 0.20 |  |  | 0.10 | | -0.16 | 0.60 |  |  | 0.14 | | -0.19 | 0.43 |  |
| Forest | Forest |  | forest\_0001 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
|  |  | forest\_0010 | 0.00 | | 0.00 |  |  |  | | 0.00 | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |  | 0.00 | | 0.00 |  |  |
|  |  | forest\_0020 | -0.35 | | -0.17 | 0.06 |  |  | | 0.16 | -0.09 | 0.57 |  |  | -0.36 | | 0.25 | 0.06 |  |  | -0.07 | | 0.11 | 0.68 |  |
|  |  | forest\_0040 | -0.32 | | 0.02 | 0.20 |  |  | | 0.40 | -0.08 | 0.08 |  |  | -0.13 | | 0.18 | 0.48 |  |  | 0.00 | | -0.16 | 0.68 |  |
|  |  | forest\_0080 | -0.30 | | 0.11 | 0.21 |  |  | | 0.62 | 0.10 | <0.001 | \*\*\* |  | -0.02 | | 0.12 | 0.82 |  |  | 0.06 | | -0.01 | 0.95 |  |
|  |  | forest\_0160 | -0.50 | | 0.08 | 0.01 | \*\* |  | | 0.57 | 0.05 | <0.01 | \*\* |  | 0.03 | | 0.02 | 0.99 |  |  | 0.06 | | 0.08 | 0.87 |  |
|  |  | forest\_0320 | -0.49 | | 0.18 | 0.01 | \*\* |  | | 0.48 | 0.10 | 0.02 | \* |  | 0.00 | | 0.03 | 0.99 |  |  | 0.09 | | 0.16 | 0.62 |  |
|  |  | forest\_0640 | -0.38 | | 0.14 | 0.07 |  |  | | 0.38 | 0.14 | 0.07 |  |  | 0.00 | | 0.04 | 0.98 |  |  | 0.11 | | 0.13 | 0.62 |  |
|  |  | forest\_1280 | -0.29 | | 0.14 | 0.21 |  |  | | 0.43 | 0.04 | 0.06 |  |  | -0.14 | | -0.02 | 0.69 |  |  | 0.02 | | 0.12 | 0.76 |  |
|  |  | forest\_2560 | -0.04 | | 0.25 | 0.39 |  |  | | 0.28 | -0.06 | 0.31 |  |  | -0.17 | | -0.11 | 0.54 |  |  | -0.06 | | 0.30 | 0.23 |  |