### SOM Table 3 - Regression Results

Multiple regression results at all spatial grains. Coefficient estimates are provided, as well as standard errors for the coefficients. P-values for each coefficient are provided. Two R^2 values are reported, the overall R^2, and the R^2 for the regression re-run with the nbsp covariate removed.

### Analysis spatial grain = 100 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.159 | 0.098 | -0.027 | 0.089 | 0.008 | 0.097 | 0.108 | 0.765 | 0.937 | 0.029 | 0.029 |
| FEve | patchDensity | 0.450 | 0.082 | -0.555 | 0.074 | 0.089 | 0.080 | 0.000 | 0.000 | 0.268 | 0.328 | 0.084 |
| log\_FRic | patchDensity | -0.077 | 0.063 | 0.820 | 0.057 | -0.207 | 0.062 | 0.224 | 0.000 | 0.001 | 0.603 | 0.070 |
| nLocomotor | patchDensity | 0.070 | 0.067 | 0.729 | 0.060 | -0.050 | 0.066 | 0.292 | 0.000 | 0.445 | 0.554 | 0.133 |
| nTrophic | patchDensity | 0.180 | 0.043 | 0.832 | 0.039 | 0.040 | 0.042 | 0.000 | 0.000 | 0.347 | 0.813 | 0.264 |
| FDiv | CV woody cover | 0.174 | 0.093 | 0.135 | 0.108 | 0.076 | 0.093 | 0.062 | 0.213 | 0.419 | 0.047 | 0.037 |
| FEve | CV woody cover | -0.079 | 0.087 | -0.320 | 0.101 | -0.137 | 0.087 | 0.367 | 0.002 | 0.120 | 0.105 | 0.040 |
| log\_FRic | CV woody cover | -0.156 | 0.060 | 0.616 | 0.070 | -0.119 | 0.060 | 0.010 | 0.000 | 0.049 | 0.476 | 0.176 |
| nLocomotor | CV woody cover | -0.069 | 0.058 | 0.499 | 0.068 | -0.062 | 0.059 | 0.243 | 0.000 | 0.291 | 0.346 | 0.090 |
| nTrophic | CV woody cover | -0.030 | 0.042 | 0.747 | 0.049 | -0.059 | 0.042 | 0.470 | 0.000 | 0.163 | 0.677 | 0.121 |
| FDiv | patchRichness | -0.111 | 0.094 | -0.039 | 0.091 | 0.120 | 0.085 | 0.241 | 0.668 | 0.159 | 0.022 | 0.020 |
| FEve | patchRichness | 0.080 | 0.085 | -0.419 | 0.082 | -0.171 | 0.077 | 0.352 | 0.000 | 0.027 | 0.200 | 0.065 |
| log\_FRic | patchRichness | 0.223 | 0.058 | 0.696 | 0.056 | -0.221 | 0.052 | 0.000 | 0.000 | 0.000 | 0.634 | 0.262 |
| nLocomotor | patchRichness | 0.235 | 0.061 | 0.655 | 0.059 | -0.146 | 0.055 | 0.000 | 0.000 | 0.009 | 0.590 | 0.260 |
| nTrophic | patchRichness | 0.015 | 0.043 | 0.894 | 0.042 | -0.060 | 0.039 | 0.737 | 0.000 | 0.126 | 0.792 | 0.177 |

### Analysis spatial grain = 200 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.141 | 0.100 | -0.038 | 0.088 | 0.012 | 0.100 | 0.161 | 0.670 | 0.908 | 0.025 | 0.024 |
| FEve | patchDensity | 0.463 | 0.083 | -0.545 | 0.073 | 0.115 | 0.083 | 0.000 | 0.000 | 0.166 | 0.331 | 0.090 |
| log\_FRic | patchDensity | -0.078 | 0.064 | 0.818 | 0.056 | -0.211 | 0.064 | 0.222 | 0.000 | 0.001 | 0.603 | 0.060 |
| nLocomotor | patchDensity | 0.073 | 0.068 | 0.730 | 0.060 | -0.046 | 0.067 | 0.282 | 0.000 | 0.497 | 0.554 | 0.122 |
| nTrophic | patchDensity | 0.177 | 0.044 | 0.839 | 0.039 | 0.046 | 0.044 | 0.000 | 0.000 | 0.300 | 0.812 | 0.241 |
| FDiv | CV woody cover | 0.166 | 0.093 | 0.131 | 0.108 | 0.078 | 0.093 | 0.075 | 0.227 | 0.407 | 0.045 | 0.035 |
| FEve | CV woody cover | -0.078 | 0.087 | -0.320 | 0.101 | -0.136 | 0.088 | 0.372 | 0.002 | 0.122 | 0.105 | 0.040 |
| log\_FRic | CV woody cover | -0.155 | 0.060 | 0.617 | 0.070 | -0.119 | 0.060 | 0.010 | 0.000 | 0.050 | 0.476 | 0.174 |
| nLocomotor | CV woody cover | -0.068 | 0.058 | 0.499 | 0.068 | -0.062 | 0.059 | 0.244 | 0.000 | 0.294 | 0.346 | 0.090 |
| nTrophic | CV woody cover | -0.027 | 0.042 | 0.749 | 0.049 | -0.060 | 0.042 | 0.515 | 0.000 | 0.157 | 0.677 | 0.118 |
| FDiv | patchRichness | -0.150 | 0.091 | -0.032 | 0.088 | 0.133 | 0.085 | 0.103 | 0.716 | 0.120 | 0.030 | 0.029 |
| FEve | patchRichness | 0.169 | 0.082 | -0.447 | 0.079 | -0.197 | 0.076 | 0.041 | 0.000 | 0.011 | 0.217 | 0.054 |
| log\_FRic | patchRichness | 0.188 | 0.057 | 0.722 | 0.054 | -0.216 | 0.053 | 0.001 | 0.000 | 0.000 | 0.626 | 0.198 |
| nLocomotor | patchRichness | 0.237 | 0.059 | 0.669 | 0.057 | -0.151 | 0.055 | 0.000 | 0.000 | 0.007 | 0.593 | 0.227 |
| nTrophic | patchRichness | 0.074 | 0.042 | 0.873 | 0.040 | -0.076 | 0.039 | 0.080 | 0.000 | 0.052 | 0.796 | 0.171 |

### Analysis spatial grain = 500 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.144 | 0.107 | -0.042 | 0.088 | -0.003 | 0.108 | 0.181 | 0.630 | 0.980 | 0.024 | 0.023 |
| FEve | patchDensity | 0.484 | 0.089 | -0.533 | 0.073 | 0.169 | 0.090 | 0.000 | 0.000 | 0.062 | 0.325 | 0.090 |
| log\_FRic | patchDensity | -0.089 | 0.068 | 0.818 | 0.056 | -0.225 | 0.069 | 0.193 | 0.000 | 0.001 | 0.603 | 0.052 |
| nLocomotor | patchDensity | 0.074 | 0.073 | 0.733 | 0.059 | -0.039 | 0.073 | 0.307 | 0.000 | 0.597 | 0.554 | 0.112 |
| nTrophic | patchDensity | 0.175 | 0.047 | 0.846 | 0.039 | 0.060 | 0.048 | 0.000 | 0.000 | 0.214 | 0.809 | 0.219 |
| FDiv | CV woody cover | 0.144 | 0.093 | 0.120 | 0.108 | 0.084 | 0.094 | 0.126 | 0.269 | 0.374 | 0.039 | 0.031 |
| FEve | CV woody cover | -0.081 | 0.087 | -0.320 | 0.101 | -0.134 | 0.088 | 0.357 | 0.002 | 0.130 | 0.105 | 0.040 |
| log\_FRic | CV woody cover | -0.155 | 0.060 | 0.619 | 0.069 | -0.116 | 0.060 | 0.011 | 0.000 | 0.057 | 0.476 | 0.172 |
| nLocomotor | CV woody cover | -0.072 | 0.059 | 0.499 | 0.068 | -0.060 | 0.059 | 0.225 | 0.000 | 0.315 | 0.347 | 0.090 |
| nTrophic | CV woody cover | -0.016 | 0.042 | 0.754 | 0.049 | -0.064 | 0.042 | 0.708 | 0.000 | 0.133 | 0.676 | 0.107 |
| FDiv | patchRichness | -0.185 | 0.091 | -0.026 | 0.086 | 0.151 | 0.086 | 0.043 | 0.761 | 0.081 | 0.039 | 0.038 |
| FEve | patchRichness | 0.317 | 0.079 | -0.488 | 0.075 | -0.251 | 0.075 | 0.000 | 0.000 | 0.001 | 0.271 | 0.070 |
| log\_FRic | patchRichness | 0.142 | 0.058 | 0.745 | 0.054 | -0.210 | 0.054 | 0.015 | 0.000 | 0.000 | 0.614 | 0.146 |
| nLocomotor | patchRichness | 0.218 | 0.060 | 0.684 | 0.056 | -0.156 | 0.056 | 0.000 | 0.000 | 0.006 | 0.587 | 0.191 |
| nTrophic | patchRichness | 0.069 | 0.042 | 0.877 | 0.040 | -0.078 | 0.040 | 0.101 | 0.000 | 0.049 | 0.795 | 0.146 |

### Analysis spatial grain = 1000 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.185 | 0.114 | -0.038 | 0.086 | -0.041 | 0.115 | 0.106 | 0.659 | 0.725 | 0.029 | 0.028 |
| FEve | patchDensity | 0.514 | 0.095 | -0.520 | 0.072 | 0.220 | 0.096 | 0.000 | 0.000 | 0.024 | 0.325 | 0.097 |
| log\_FRic | patchDensity | -0.100 | 0.073 | 0.817 | 0.055 | -0.238 | 0.074 | 0.171 | 0.000 | 0.002 | 0.604 | 0.040 |
| nLocomotor | patchDensity | 0.113 | 0.077 | 0.726 | 0.058 | -0.007 | 0.078 | 0.144 | 0.000 | 0.934 | 0.557 | 0.112 |
| nTrophic | patchDensity | 0.177 | 0.051 | 0.854 | 0.039 | 0.071 | 0.051 | 0.001 | 0.000 | 0.169 | 0.807 | 0.192 |
| FDiv | CV woody cover | 0.143 | 0.094 | 0.120 | 0.108 | 0.082 | 0.095 | 0.129 | 0.271 | 0.387 | 0.039 | 0.031 |
| FEve | CV woody cover | -0.087 | 0.088 | -0.323 | 0.101 | -0.131 | 0.089 | 0.325 | 0.002 | 0.143 | 0.106 | 0.039 |
| log\_FRic | CV woody cover | -0.155 | 0.060 | 0.619 | 0.069 | -0.114 | 0.061 | 0.011 | 0.000 | 0.063 | 0.476 | 0.171 |
| nLocomotor | CV woody cover | -0.073 | 0.059 | 0.498 | 0.068 | -0.058 | 0.060 | 0.219 | 0.000 | 0.330 | 0.347 | 0.091 |
| nTrophic | CV woody cover | -0.011 | 0.042 | 0.756 | 0.049 | -0.066 | 0.043 | 0.788 | 0.000 | 0.126 | 0.676 | 0.104 |
| FDiv | patchRichness | -0.207 | 0.089 | -0.043 | 0.083 | 0.172 | 0.087 | 0.022 | 0.605 | 0.051 | 0.046 | 0.044 |
| FEve | patchRichness | 0.385 | 0.076 | -0.466 | 0.070 | -0.298 | 0.074 | 0.000 | 0.000 | 0.000 | 0.311 | 0.113 |
| log\_FRic | patchRichness | 0.063 | 0.058 | 0.778 | 0.053 | -0.190 | 0.056 | 0.278 | 0.000 | 0.001 | 0.602 | 0.053 |
| nLocomotor | patchRichness | 0.185 | 0.059 | 0.716 | 0.055 | -0.158 | 0.058 | 0.002 | 0.000 | 0.007 | 0.577 | 0.111 |
| nTrophic | patchRichness | 0.132 | 0.040 | 0.872 | 0.037 | -0.107 | 0.039 | 0.001 | 0.000 | 0.008 | 0.805 | 0.115 |

### Analysis spatial grain = 2000 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.256 | 0.132 | -0.028 | 0.086 | -0.116 | 0.135 | 0.054 | 0.749 | 0.390 | 0.036 | 0.036 |
| FEve | patchDensity | 0.511 | 0.113 | -0.503 | 0.074 | 0.266 | 0.116 | 0.000 | 0.000 | 0.023 | 0.290 | 0.077 |
| log\_FRic | patchDensity | -0.056 | 0.085 | 0.804 | 0.056 | -0.212 | 0.087 | 0.511 | 0.000 | 0.016 | 0.600 | 0.058 |
| nLocomotor | patchDensity | 0.170 | 0.089 | 0.716 | 0.058 | 0.051 | 0.091 | 0.058 | 0.000 | 0.577 | 0.561 | 0.130 |
| nTrophic | patchDensity | 0.249 | 0.058 | 0.843 | 0.038 | 0.147 | 0.059 | 0.000 | 0.000 | 0.014 | 0.814 | 0.218 |
| FDiv | CV woody cover | 0.144 | 0.094 | 0.118 | 0.108 | 0.079 | 0.096 | 0.128 | 0.276 | 0.408 | 0.039 | 0.031 |
| FEve | CV woody cover | -0.094 | 0.088 | -0.324 | 0.101 | -0.126 | 0.089 | 0.289 | 0.002 | 0.160 | 0.107 | 0.039 |
| log\_FRic | CV woody cover | -0.151 | 0.060 | 0.623 | 0.069 | -0.113 | 0.061 | 0.014 | 0.000 | 0.067 | 0.474 | 0.163 |
| nLocomotor | CV woody cover | -0.075 | 0.059 | 0.499 | 0.068 | -0.056 | 0.060 | 0.209 | 0.000 | 0.351 | 0.347 | 0.088 |
| nTrophic | CV woody cover | 0.002 | 0.042 | 0.762 | 0.048 | -0.071 | 0.043 | 0.957 | 0.000 | 0.100 | 0.676 | 0.090 |
| FDiv | patchRichness | -0.178 | 0.092 | -0.055 | 0.082 | 0.170 | 0.090 | 0.053 | 0.504 | 0.061 | 0.036 | 0.034 |
| FEve | patchRichness | 0.460 | 0.075 | -0.466 | 0.068 | -0.352 | 0.074 | 0.000 | 0.000 | 0.000 | 0.354 | 0.154 |
| log\_FRic | patchRichness | -0.028 | 0.059 | 0.796 | 0.053 | -0.154 | 0.058 | 0.640 | 0.000 | 0.009 | 0.599 | 0.016 |
| nLocomotor | patchRichness | 0.138 | 0.061 | 0.731 | 0.055 | -0.148 | 0.061 | 0.026 | 0.000 | 0.016 | 0.565 | 0.072 |
| nTrophic | patchRichness | 0.144 | 0.041 | 0.875 | 0.037 | -0.119 | 0.040 | 0.001 | 0.000 | 0.004 | 0.807 | 0.103 |

### Analysis spatial grain = 5000 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.252 | 0.152 | -0.055 | 0.084 | -0.153 | 0.154 | 0.098 | 0.509 | 0.321 | 0.027 | 0.025 |
| FEve | patchDensity | 0.525 | 0.130 | -0.462 | 0.072 | 0.280 | 0.132 | 0.000 | 0.000 | 0.035 | 0.287 | 0.091 |
| log\_FRic | patchDensity | -0.182 | 0.097 | 0.806 | 0.053 | -0.331 | 0.098 | 0.062 | 0.000 | 0.001 | 0.604 | 0.008 |
| nLocomotor | patchDensity | 0.042 | 0.103 | 0.744 | 0.057 | -0.040 | 0.105 | 0.684 | 0.000 | 0.706 | 0.548 | 0.040 |
| nTrophic | patchDensity | 0.206 | 0.067 | 0.875 | 0.037 | 0.128 | 0.068 | 0.003 | 0.000 | 0.062 | 0.810 | 0.109 |
| FDiv | CV woody cover | 0.140 | 0.095 | 0.108 | 0.107 | 0.051 | 0.096 | 0.146 | 0.314 | 0.593 | 0.031 | 0.023 |
| FEve | CV woody cover | -0.099 | 0.089 | -0.323 | 0.099 | -0.121 | 0.089 | 0.267 | 0.001 | 0.175 | 0.108 | 0.039 |
| log\_FRic | CV woody cover | -0.139 | 0.061 | 0.624 | 0.069 | -0.123 | 0.062 | 0.025 | 0.000 | 0.048 | 0.472 | 0.155 |
| nLocomotor | CV woody cover | -0.073 | 0.060 | 0.501 | 0.067 | -0.041 | 0.060 | 0.223 | 0.000 | 0.493 | 0.350 | 0.085 |
| nTrophic | CV woody cover | -0.001 | 0.043 | 0.774 | 0.048 | -0.048 | 0.043 | 0.989 | 0.000 | 0.266 | 0.690 | 0.092 |
| FDiv | patchRichness | -0.237 | 0.095 | -0.044 | 0.082 | 0.180 | 0.093 | 0.014 | 0.594 | 0.055 | 0.049 | 0.047 |
| FEve | patchRichness | 0.436 | 0.079 | -0.476 | 0.068 | -0.386 | 0.077 | 0.000 | 0.000 | 0.000 | 0.343 | 0.134 |
| log\_FRic | patchRichness | -0.087 | 0.062 | 0.799 | 0.053 | -0.132 | 0.060 | 0.161 | 0.000 | 0.030 | 0.600 | 0.010 |
| nLocomotor | patchRichness | 0.170 | 0.064 | 0.718 | 0.055 | -0.159 | 0.063 | 0.009 | 0.000 | 0.012 | 0.568 | 0.090 |
| nTrophic | patchRichness | 0.206 | 0.040 | 0.863 | 0.035 | -0.150 | 0.040 | 0.000 | 0.000 | 0.000 | 0.827 | 0.139 |

### Analysis spatial grain = 10000 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.166 | 0.164 | -0.023 | 0.089 | -0.038 | 0.166 | 0.314 | 0.801 | 0.819 | 0.019 | 0.019 |
| FEve | patchDensity | 0.287 | 0.148 | -0.419 | 0.081 | 0.096 | 0.150 | 0.055 | 0.000 | 0.522 | 0.197 | 0.046 |
| log\_FRic | patchDensity | -0.066 | 0.107 | 0.783 | 0.058 | -0.229 | 0.108 | 0.540 | 0.000 | 0.037 | 0.581 | 0.056 |
| nLocomotor | patchDensity | 0.163 | 0.112 | 0.712 | 0.061 | 0.038 | 0.113 | 0.147 | 0.000 | 0.737 | 0.544 | 0.110 |
| nTrophic | patchDensity | 0.277 | 0.072 | 0.847 | 0.039 | 0.155 | 0.073 | 0.000 | 0.000 | 0.036 | 0.809 | 0.195 |
| FDiv | CV woody cover | 0.210 | 0.107 | 0.114 | 0.111 | 0.024 | 0.115 | 0.052 | 0.307 | 0.837 | 0.049 | 0.042 |
| FEve | CV woody cover | -0.156 | 0.097 | -0.340 | 0.101 | -0.074 | 0.104 | 0.111 | 0.001 | 0.479 | 0.122 | 0.044 |
| log\_FRic | CV woody cover | -0.141 | 0.069 | 0.624 | 0.072 | -0.082 | 0.074 | 0.042 | 0.000 | 0.266 | 0.467 | 0.145 |
| nLocomotor | CV woody cover | -0.096 | 0.067 | 0.501 | 0.069 | -0.029 | 0.071 | 0.153 | 0.000 | 0.684 | 0.365 | 0.103 |
| nTrophic | CV woody cover | 0.002 | 0.049 | 0.799 | 0.052 | -0.035 | 0.053 | 0.967 | 0.000 | 0.514 | 0.694 | 0.110 |
| FDiv | patchRichness | -0.233 | 0.107 | -0.007 | 0.085 | 0.242 | 0.103 | 0.030 | 0.939 | 0.020 | 0.044 | 0.044 |
| FEve | patchRichness | 0.386 | 0.094 | -0.444 | 0.075 | -0.379 | 0.091 | 0.000 | 0.000 | 0.000 | 0.263 | 0.084 |
| log\_FRic | patchRichness | -0.116 | 0.070 | 0.794 | 0.056 | -0.104 | 0.068 | 0.100 | 0.000 | 0.127 | 0.588 | 0.013 |
| nLocomotor | patchRichness | 0.103 | 0.074 | 0.722 | 0.059 | -0.164 | 0.071 | 0.165 | 0.000 | 0.023 | 0.544 | 0.069 |
| nTrophic | patchRichness | 0.176 | 0.048 | 0.863 | 0.038 | -0.189 | 0.046 | 0.000 | 0.000 | 0.000 | 0.808 | 0.129 |

### Analysis spatial grain = 20000 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.185 | 0.170 | -0.088 | 0.090 | 0.017 | 0.172 | 0.278 | 0.328 | 0.923 | 0.044 | 0.036 |
| FEve | patchDensity | 0.403 | 0.155 | -0.371 | 0.082 | 0.209 | 0.157 | 0.011 | 0.000 | 0.186 | 0.202 | 0.070 |
| log\_FRic | patchDensity | -0.262 | 0.115 | 0.762 | 0.061 | -0.318 | 0.116 | 0.024 | 0.000 | 0.007 | 0.562 | 0.006 |
| nLocomotor | patchDensity | 0.053 | 0.119 | 0.736 | 0.063 | -0.044 | 0.120 | 0.656 | 0.000 | 0.717 | 0.531 | 0.012 |
| nTrophic | patchDensity | 0.196 | 0.078 | 0.891 | 0.041 | 0.030 | 0.079 | 0.013 | 0.000 | 0.704 | 0.798 | 0.037 |
| FDiv | CV woody cover | 0.170 | 0.113 | 0.068 | 0.116 | 0.075 | 0.126 | 0.135 | 0.562 | 0.552 | 0.048 | 0.045 |
| FEve | CV woody cover | -0.155 | 0.110 | -0.299 | 0.113 | -0.073 | 0.122 | 0.162 | 0.009 | 0.550 | 0.096 | 0.037 |
| log\_FRic | CV woody cover | -0.163 | 0.075 | 0.579 | 0.077 | -0.002 | 0.083 | 0.032 | 0.000 | 0.984 | 0.442 | 0.147 |
| nLocomotor | CV woody cover | -0.116 | 0.075 | 0.508 | 0.078 | 0.052 | 0.084 | 0.125 | 0.000 | 0.538 | 0.365 | 0.111 |
| nTrophic | CV woody cover | 0.033 | 0.053 | 0.802 | 0.055 | -0.111 | 0.060 | 0.543 | 0.000 | 0.064 | 0.690 | 0.076 |
| FDiv | patchRichness | -0.347 | 0.107 | -0.018 | 0.090 | 0.359 | 0.103 | 0.002 | 0.846 | 0.001 | 0.110 | 0.110 |
| FEve | patchRichness | 0.455 | 0.096 | -0.456 | 0.080 | -0.378 | 0.092 | 0.000 | 0.000 | 0.000 | 0.289 | 0.103 |
| log\_FRic | patchRichness | -0.122 | 0.076 | 0.776 | 0.064 | -0.028 | 0.073 | 0.113 | 0.000 | 0.706 | 0.553 | 0.014 |
| nLocomotor | patchRichness | 0.138 | 0.077 | 0.707 | 0.065 | -0.162 | 0.074 | 0.076 | 0.000 | 0.030 | 0.542 | 0.096 |
| nTrophic | patchRichness | 0.248 | 0.047 | 0.844 | 0.040 | -0.269 | 0.046 | 0.000 | 0.000 | 0.000 | 0.827 | 0.190 |

### Analysis spatial grain = 30000 meters

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| response | predictor | predictor\_coef | predictor\_se | nbsp\_coef | nbsp\_se | log\_area\_coef | log\_area\_se | predictor\_p | nbsp\_p | log\_area\_p | r2\_overall | r2\_drop\_nbsp |
| FDiv | patchDensity | -0.278 | 0.186 | -0.136 | 0.095 | -0.155 | 0.188 | 0.139 | 0.156 | 0.411 | 0.045 | 0.027 |
| FEve | patchDensity | 0.187 | 0.176 | -0.344 | 0.090 | 0.060 | 0.178 | 0.292 | 0.000 | 0.739 | 0.144 | 0.030 |
| log\_FRic | patchDensity | -0.118 | 0.120 | 0.795 | 0.061 | -0.221 | 0.121 | 0.327 | 0.000 | 0.070 | 0.606 | 0.001 |
| nLocomotor | patchDensity | 0.171 | 0.121 | 0.759 | 0.062 | 0.144 | 0.122 | 0.161 | 0.000 | 0.241 | 0.596 | 0.043 |
| nTrophic | patchDensity | 0.084 | 0.084 | 0.902 | 0.043 | 0.010 | 0.085 | 0.321 | 0.000 | 0.902 | 0.807 | 0.027 |
| FDiv | CV woody cover | 0.059 | 0.131 | -0.150 | 0.137 | 0.039 | 0.141 | 0.654 | 0.275 | 0.781 | 0.026 | 0.014 |
| FEve | CV woody cover | -0.166 | 0.127 | -0.244 | 0.133 | 0.018 | 0.138 | 0.197 | 0.071 | 0.898 | 0.047 | 0.013 |
| log\_FRic | CV woody cover | -0.124 | 0.080 | 0.639 | 0.083 | -0.070 | 0.086 | 0.122 | 0.000 | 0.417 | 0.486 | 0.162 |
| nLocomotor | CV woody cover | -0.104 | 0.077 | 0.496 | 0.081 | 0.018 | 0.083 | 0.179 | 0.000 | 0.827 | 0.378 | 0.124 |
| nTrophic | CV woody cover | 0.022 | 0.060 | 0.795 | 0.062 | -0.055 | 0.065 | 0.718 | 0.000 | 0.397 | 0.673 | 0.104 |
| FDiv | patchRichness | -0.191 | 0.114 | -0.110 | 0.097 | 0.183 | 0.110 | 0.096 | 0.261 | 0.100 | 0.050 | 0.039 |
| FEve | patchRichness | 0.273 | 0.105 | -0.392 | 0.090 | -0.240 | 0.102 | 0.011 | 0.000 | 0.020 | 0.185 | 0.045 |
| log\_FRic | patchRichness | -0.073 | 0.073 | 0.804 | 0.063 | -0.082 | 0.071 | 0.321 | 0.000 | 0.251 | 0.606 | 0.018 |
| nLocomotor | patchRichness | 0.067 | 0.075 | 0.754 | 0.064 | -0.039 | 0.072 | 0.368 | 0.000 | 0.592 | 0.592 | 0.074 |
| nTrophic | patchRichness | 0.199 | 0.048 | 0.864 | 0.041 | -0.162 | 0.046 | 0.000 | 0.000 | 0.001 | 0.831 | 0.152 |