### 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 | 0.014 | 0.098 | -0.197 | 0.089 | 0.061 | 0.096 | 0.890 | 0.028 | 0.531 | 0.036 | 0.005 |
| FEve | patchDensity | 0.008 | 0.074 | -0.590 | 0.067 | -0.216 | 0.073 | 0.910 | 0.000 | 0.004 | 0.446 | 0.170 |
| log\_FRic | patchDensity | 0.070 | 0.054 | 0.813 | 0.049 | 0.041 | 0.053 | 0.195 | 0.000 | 0.435 | 0.710 | 0.185 |
| 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 | 0.274 | 0.077 | -0.152 | 0.090 | -0.037 | 0.078 | 0.001 | 0.095 | 0.632 | 0.147 | 0.129 |
| FEve | CV woody cover | -0.001 | 0.071 | -0.458 | 0.083 | -0.171 | 0.071 | 0.985 | 0.000 | 0.018 | 0.256 | 0.089 |
| log\_FRic | CV woody cover | -0.090 | 0.034 | 0.503 | 0.039 | 0.009 | 0.034 | 0.008 | 0.000 | 0.797 | 0.628 | 0.186 |
| 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 | -0.060 | 0.094 | -0.166 | 0.090 | 0.068 | 0.084 | 0.520 | 0.067 | 0.419 | 0.038 | 0.017 |
| FEve | patchRichness | 0.183 | 0.069 | -0.664 | 0.067 | -0.265 | 0.062 | 0.009 | 0.000 | 0.000 | 0.470 | 0.130 |
| log\_FRic | patchRichness | 0.080 | 0.051 | 0.806 | 0.049 | -0.016 | 0.046 | 0.123 | 0.000 | 0.735 | 0.711 | 0.211 |
| 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 | -0.017 | 0.100 | -0.186 | 0.088 | 0.044 | 0.099 | 0.867 | 0.036 | 0.660 | 0.036 | 0.008 |
| FEve | patchDensity | 0.018 | 0.075 | -0.593 | 0.067 | -0.210 | 0.075 | 0.814 | 0.000 | 0.006 | 0.446 | 0.161 |
| log\_FRic | patchDensity | 0.061 | 0.055 | 0.819 | 0.048 | 0.039 | 0.054 | 0.265 | 0.000 | 0.473 | 0.709 | 0.165 |
| 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 | 0.271 | 0.078 | -0.154 | 0.090 | -0.038 | 0.078 | 0.001 | 0.091 | 0.630 | 0.145 | 0.127 |
| FEve | CV woody cover | -0.004 | 0.071 | -0.459 | 0.083 | -0.170 | 0.071 | 0.959 | 0.000 | 0.019 | 0.256 | 0.088 |
| log\_FRic | CV woody cover | -0.089 | 0.034 | 0.504 | 0.039 | 0.009 | 0.034 | 0.009 | 0.000 | 0.797 | 0.627 | 0.183 |
| 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 | 0.032 | 0.091 | -0.204 | 0.087 | 0.045 | 0.084 | 0.725 | 0.021 | 0.597 | 0.036 | 0.002 |
| FEve | patchRichness | 0.172 | 0.068 | -0.649 | 0.065 | -0.266 | 0.063 | 0.012 | 0.000 | 0.000 | 0.468 | 0.123 |
| log\_FRic | patchRichness | 0.100 | 0.050 | 0.803 | 0.048 | -0.023 | 0.046 | 0.045 | 0.000 | 0.620 | 0.714 | 0.185 |
| 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 | -0.034 | 0.107 | -0.182 | 0.087 | 0.031 | 0.107 | 0.752 | 0.039 | 0.774 | 0.036 | 0.009 |
| FEve | patchDensity | 0.008 | 0.081 | -0.589 | 0.066 | -0.215 | 0.081 | 0.926 | 0.000 | 0.009 | 0.446 | 0.161 |
| log\_FRic | patchDensity | 0.054 | 0.059 | 0.823 | 0.048 | 0.040 | 0.059 | 0.358 | 0.000 | 0.502 | 0.708 | 0.150 |
| 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 | 0.269 | 0.078 | -0.157 | 0.090 | -0.041 | 0.079 | 0.001 | 0.085 | 0.601 | 0.143 | 0.125 |
| FEve | CV woody cover | -0.017 | 0.071 | -0.465 | 0.083 | -0.164 | 0.072 | 0.813 | 0.000 | 0.024 | 0.256 | 0.084 |
| log\_FRic | CV woody cover | -0.087 | 0.034 | 0.505 | 0.039 | 0.009 | 0.034 | 0.012 | 0.000 | 0.787 | 0.626 | 0.178 |
| 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 | 0.085 | 0.091 | -0.219 | 0.086 | 0.027 | 0.086 | 0.354 | 0.012 | 0.754 | 0.041 | 0.000 |
| FEve | patchRichness | 0.142 | 0.068 | -0.632 | 0.064 | -0.265 | 0.064 | 0.039 | 0.000 | 0.000 | 0.461 | 0.123 |
| log\_FRic | patchRichness | 0.076 | 0.050 | 0.815 | 0.047 | -0.020 | 0.047 | 0.128 | 0.000 | 0.671 | 0.711 | 0.150 |
| 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 | -0.063 | 0.113 | -0.176 | 0.086 | 0.008 | 0.115 | 0.581 | 0.043 | 0.944 | 0.037 | 0.011 |
| FEve | patchDensity | 0.015 | 0.086 | -0.590 | 0.065 | -0.209 | 0.087 | 0.857 | 0.000 | 0.018 | 0.446 | 0.152 |
| log\_FRic | patchDensity | 0.057 | 0.062 | 0.825 | 0.047 | 0.045 | 0.063 | 0.361 | 0.000 | 0.477 | 0.708 | 0.134 |
| 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 | 0.279 | 0.078 | -0.153 | 0.090 | -0.049 | 0.079 | 0.000 | 0.092 | 0.537 | 0.148 | 0.130 |
| FEve | CV woody cover | -0.023 | 0.072 | -0.467 | 0.083 | -0.162 | 0.072 | 0.753 | 0.000 | 0.027 | 0.256 | 0.082 |
| log\_FRic | CV woody cover | -0.089 | 0.034 | 0.504 | 0.039 | 0.011 | 0.034 | 0.010 | 0.000 | 0.741 | 0.627 | 0.180 |
| 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 | 0.112 | 0.089 | -0.216 | 0.083 | 0.011 | 0.087 | 0.212 | 0.010 | 0.904 | 0.045 | 0.003 |
| FEve | patchRichness | 0.102 | 0.068 | -0.608 | 0.062 | -0.259 | 0.066 | 0.132 | 0.000 | 0.000 | 0.454 | 0.119 |
| log\_FRic | patchRichness | 0.084 | 0.049 | 0.822 | 0.045 | -0.028 | 0.048 | 0.088 | 0.000 | 0.558 | 0.712 | 0.099 |
| 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 | -0.205 | 0.131 | -0.145 | 0.086 | -0.114 | 0.134 | 0.120 | 0.093 | 0.395 | 0.051 | 0.033 |
| FEve | patchDensity | -0.043 | 0.100 | -0.576 | 0.065 | -0.256 | 0.102 | 0.666 | 0.000 | 0.013 | 0.447 | 0.168 |
| log\_FRic | patchDensity | 0.089 | 0.072 | 0.819 | 0.047 | 0.076 | 0.074 | 0.222 | 0.000 | 0.303 | 0.709 | 0.146 |
| 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 | 0.293 | 0.078 | -0.151 | 0.089 | -0.060 | 0.079 | 0.000 | 0.092 | 0.452 | 0.156 | 0.138 |
| FEve | CV woody cover | -0.033 | 0.072 | -0.471 | 0.082 | -0.157 | 0.073 | 0.645 | 0.000 | 0.033 | 0.257 | 0.078 |
| log\_FRic | CV woody cover | -0.085 | 0.034 | 0.507 | 0.039 | 0.011 | 0.035 | 0.014 | 0.000 | 0.746 | 0.625 | 0.169 |
| 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 | 0.143 | 0.091 | -0.217 | 0.082 | -0.009 | 0.090 | 0.117 | 0.009 | 0.918 | 0.051 | 0.007 |
| FEve | patchRichness | 0.105 | 0.069 | -0.605 | 0.062 | -0.266 | 0.068 | 0.129 | 0.000 | 0.000 | 0.454 | 0.117 |
| log\_FRic | patchRichness | 0.064 | 0.050 | 0.829 | 0.045 | -0.024 | 0.050 | 0.204 | 0.000 | 0.627 | 0.710 | 0.077 |
| 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 | -0.298 | 0.149 | -0.131 | 0.082 | -0.169 | 0.152 | 0.048 | 0.113 | 0.267 | 0.056 | 0.040 |
| FEve | patchDensity | -0.028 | 0.114 | -0.582 | 0.063 | -0.263 | 0.116 | 0.806 | 0.000 | 0.024 | 0.450 | 0.140 |
| log\_FRic | patchDensity | -0.032 | 0.084 | 0.841 | 0.046 | -0.032 | 0.086 | 0.702 | 0.000 | 0.709 | 0.699 | 0.051 |
| 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 | 0.307 | 0.080 | -0.153 | 0.090 | -0.073 | 0.081 | 0.000 | 0.092 | 0.369 | 0.160 | 0.142 |
| FEve | CV woody cover | -0.029 | 0.072 | -0.473 | 0.081 | -0.177 | 0.073 | 0.694 | 0.000 | 0.016 | 0.271 | 0.089 |
| log\_FRic | CV woody cover | -0.083 | 0.035 | 0.511 | 0.040 | 0.007 | 0.035 | 0.020 | 0.000 | 0.835 | 0.623 | 0.160 |
| 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 | 0.016 | 0.096 | -0.172 | 0.083 | 0.080 | 0.094 | 0.864 | 0.040 | 0.394 | 0.031 | 0.004 |
| FEve | patchRichness | 0.038 | 0.072 | -0.593 | 0.062 | -0.258 | 0.071 | 0.600 | 0.000 | 0.000 | 0.451 | 0.126 |
| log\_FRic | patchRichness | 0.105 | 0.053 | 0.818 | 0.046 | -0.056 | 0.052 | 0.048 | 0.000 | 0.283 | 0.707 | 0.089 |
| 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 | -0.190 | 0.163 | -0.093 | 0.088 | -0.048 | 0.165 | 0.245 | 0.295 | 0.772 | 0.035 | 0.027 |
| FEve | patchDensity | -0.193 | 0.128 | -0.537 | 0.070 | -0.343 | 0.130 | 0.135 | 0.000 | 0.009 | 0.401 | 0.154 |
| log\_FRic | patchDensity | 0.158 | 0.093 | 0.799 | 0.050 | 0.106 | 0.094 | 0.090 | 0.000 | 0.261 | 0.686 | 0.139 |
| 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 | 0.408 | 0.086 | -0.116 | 0.090 | -0.125 | 0.092 | 0.000 | 0.198 | 0.177 | 0.215 | 0.205 |
| FEve | CV woody cover | -0.039 | 0.083 | -0.503 | 0.087 | -0.117 | 0.089 | 0.638 | 0.000 | 0.193 | 0.270 | 0.074 |
| log\_FRic | CV woody cover | -0.112 | 0.039 | 0.508 | 0.041 | 0.046 | 0.042 | 0.005 | 0.000 | 0.279 | 0.643 | 0.203 |
| 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 | -0.016 | 0.108 | -0.125 | 0.086 | 0.127 | 0.104 | 0.883 | 0.148 | 0.223 | 0.026 | 0.011 |
| FEve | patchRichness | -0.018 | 0.085 | -0.569 | 0.068 | -0.164 | 0.082 | 0.831 | 0.000 | 0.048 | 0.392 | 0.096 |
| log\_FRic | patchRichness | 0.124 | 0.061 | 0.804 | 0.049 | -0.105 | 0.059 | 0.043 | 0.000 | 0.078 | 0.689 | 0.100 |
| 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 | 0.017 | 0.166 | -0.251 | 0.088 | 0.213 | 0.168 | 0.918 | 0.005 | 0.207 | 0.085 | 0.024 |
| FEve | patchDensity | -0.244 | 0.138 | -0.560 | 0.073 | -0.307 | 0.139 | 0.078 | 0.000 | 0.029 | 0.373 | 0.072 |
| log\_FRic | patchDensity | -0.032 | 0.099 | 0.833 | 0.052 | -0.079 | 0.100 | 0.749 | 0.000 | 0.427 | 0.679 | 0.013 |
| 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 | 0.390 | 0.096 | -0.206 | 0.099 | -0.103 | 0.107 | 0.000 | 0.040 | 0.340 | 0.231 | 0.200 |
| FEve | CV woody cover | -0.093 | 0.090 | -0.576 | 0.093 | -0.061 | 0.101 | 0.305 | 0.000 | 0.547 | 0.300 | 0.050 |
| log\_FRic | CV woody cover | -0.133 | 0.045 | 0.510 | 0.047 | 0.049 | 0.050 | 0.004 | 0.000 | 0.335 | 0.623 | 0.203 |
| 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 | 0.001 | 0.109 | -0.251 | 0.091 | 0.198 | 0.105 | 0.993 | 0.007 | 0.061 | 0.084 | 0.028 |
| FEve | patchRichness | -0.092 | 0.091 | -0.552 | 0.076 | -0.048 | 0.087 | 0.312 | 0.000 | 0.587 | 0.362 | 0.090 |
| log\_FRic | patchRichness | 0.146 | 0.063 | 0.797 | 0.053 | -0.129 | 0.061 | 0.023 | 0.000 | 0.036 | 0.692 | 0.123 |
| 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 | -0.174 | 0.183 | -0.178 | 0.093 | 0.082 | 0.185 | 0.344 | 0.060 | 0.659 | 0.081 | 0.051 |
| FEve | patchDensity | -0.203 | 0.137 | -0.643 | 0.070 | -0.304 | 0.139 | 0.141 | 0.000 | 0.030 | 0.483 | 0.086 |
| log\_FRic | patchDensity | -0.107 | 0.102 | 0.841 | 0.052 | -0.058 | 0.103 | 0.297 | 0.000 | 0.578 | 0.712 | 0.034 |
| 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 | 0.379 | 0.105 | -0.230 | 0.110 | -0.121 | 0.113 | 0.000 | 0.038 | 0.287 | 0.243 | 0.207 |
| FEve | CV woody cover | -0.061 | 0.097 | -0.595 | 0.102 | -0.026 | 0.105 | 0.533 | 0.000 | 0.803 | 0.299 | 0.042 |
| log\_FRic | CV woody cover | -0.108 | 0.044 | 0.498 | 0.046 | 0.041 | 0.048 | 0.016 | 0.000 | 0.397 | 0.650 | 0.218 |
| 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 | 0.043 | 0.112 | -0.196 | 0.096 | 0.212 | 0.109 | 0.701 | 0.044 | 0.054 | 0.075 | 0.040 |
| FEve | patchRichness | -0.020 | 0.085 | -0.649 | 0.073 | -0.117 | 0.082 | 0.814 | 0.000 | 0.158 | 0.473 | 0.089 |
| log\_FRic | patchRichness | 0.031 | 0.063 | 0.829 | 0.054 | 0.020 | 0.061 | 0.623 | 0.000 | 0.737 | 0.710 | 0.085 |
| 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 |