| **Dataset** | **Response** | **Fixef** | **LandUseVar** | **n** | **n\_RB** | **R2Marginal** | **R2Conditional** | **AIC** | **deltaAIC** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Biome4 | SpeciesRichness | LandUse\*Realm | LandUse4 | 5,536 | 4 | 0.0227239164 | 0.8777343 | 7,469.285 | -67.29967 |
| LandUse\*Realm | LandUse | 5,536 | 4 | 0.0225094929 | 0.8777629 | 7,475.057 | -61.52835 |
| LandUse\*Realm | LandUse5 | 5,536 | 4 | 0.0191574199 | 0.8765745 | 7,482.314 | -54.27143 |
| LandUse\*Realm | LandUse3 | 5,536 | 4 | 0.0189705157 | 0.8762308 | 7,482.651 | -53.93392 |
| LandUse\*Realm | LandUse2 | 5,536 | 4 | 0.0130848784 | 0.8730781 | 7,536.585 | 0.00000 |
| LogRichness | UseIntensity:Realm | LU\_UI\_3 | 5,536 | 4 | 0.0212778468 | 0.8772234 | 7,424.821 | -112.25729 |
| LandUse:Realm | LandUse | 5,536 | 4 | 0.0225094929 | 0.8777629 | 7,475.057 | -62.02167 |
| LandUse | LandUse | 5,536 | 4 | 0.0035406491 | 0.8744941 | 7,519.208 | -17.87023 |
| UseIntensity | LU\_UI\_3 | 5,536 | 4 | 0.0005527281 | 0.8725439 | 7,537.078 | 0.00000 |
| LogAbund | LandUse:Realm | LandUse | 4,766 | 4 | 0.0901393842 | 0.9261361 | 12,826.523 | -86.83329 |
| LandUse | LandUse | 4,766 | 4 | 0.0126667822 | 0.9249183 | 12,838.740 | -74.61667 |
| UseIntensity:Realm | LU\_UI\_3 | 4,766 | 4 | 0.0789799336 | 0.9254709 | 12,888.079 | -25.27752 |
| UseIntensity | LU\_UI\_3 | 4,766 | 4 | 0.0008020834 | 0.9250398 | 12,913.357 | 0.00000 |