| **Dataset** | **Response** | **Fixef** | **LandUseVar** | **n** | **n\_RB** | **R2Marginal** | **R2Conditional** | **AIC** | **deltaAIC** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Biome7 | SpeciesRichness | LandUse\*Realm | LandUse | 1,906 | 3 | 0.104922383 | 0.9029194 | 1,690.174 | -34.355439 |
| LandUse\*Realm | LandUse4 | 1,906 | 3 | 0.105471507 | 0.9056116 | 1,698.009 | -26.520365 |
| LandUse\*Realm | LandUse5 | 1,906 | 3 | 0.102773961 | 0.9025297 | 1,702.101 | -22.429298 |
| LandUse\*Realm | LandUse3 | 1,906 | 3 | 0.104194980 | 0.9046106 | 1,702.290 | -22.240160 |
| LandUse\*Realm | LandUse2 | 1,906 | 3 | 0.103713637 | 0.9026132 | 1,724.530 | 0.000000 |
| LogRichness | UseIntensity:Realm | LU\_UI\_3 | 1,906 | 3 | 0.111906464 | 0.9068850 | 1,688.338 | -34.192396 |
| LandUse:Realm | LandUse | 1,906 | 3 | 0.104922383 | 0.9029194 | 1,690.174 | -32.355790 |
| LandUse | LandUse | 1,906 | 3 | 0.012204122 | 0.9049782 | 1,716.777 | -5.752883 |
| UseIntensity | LU\_UI\_3 | 1,906 | 3 | 0.011835802 | 0.9033059 | 1,722.530 | 0.000000 |
| LogAbund | UseIntensity:Realm | LU\_UI\_3 | 1,553 | 3 | 0.028075495 | 0.8923583 | 4,105.900 | -40.506295 |
| UseIntensity | LU\_UI\_3 | 1,553 | 3 | 0.011548371 | 0.8854741 | 4,138.743 | -7.663592 |
| LandUse:Realm | LandUse | 1,553 | 3 | 0.023674543 | 0.8840099 | 4,138.746 | -7.660879 |
| LandUse | LandUse | 1,553 | 3 | 0.009739782 | 0.8853418 | 4,146.407 | 0.000000 |