| **Dataset** | **Response** | **Fixef** | **LandUseVar** | **n** | **n\_RB** | **R2Marginal** | **R2Conditional** | **AIC** | **deltaAIC** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Biome1 | LogRichness | LandUse\*Realm | LandUse | 5,007 | 3 | 0.030833089 | 0.8819161 | 6,600.571 | -233.29041 |
| LandUse\*Realm | LandUse5 | 5,007 | 3 | 0.028948409 | 0.8818622 | 6,630.717 | -203.14487 |
| LandUse\*Realm | LandUse4 | 5,007 | 3 | 0.025060788 | 0.8769672 | 6,766.540 | -67.32101 |
| LandUse\*Realm | LandUse3 | 5,007 | 3 | 0.024643401 | 0.8766182 | 6,782.571 | -51.29072 |
| LandUse\*Realm | LandUse2 | 5,007 | 3 | 0.020900960 | 0.8752210 | 6,833.861 | 0.00000 |
| UseIntensity:Realm | LU\_UI\_3 | 5,007 | 3 | 0.031286565 | 0.8842552 | 6,518.908 | -241.21342 |
| LandUse:Realm | LandUse | 5,007 | 3 | 0.030833089 | 0.8819161 | 6,600.571 | -159.55065 |
| UseIntensity | LU\_UI\_3 | 5,007 | 3 | 0.023683740 | 0.8796316 | 6,663.123 | -96.99835 |
| LandUse | LandUse | 5,007 | 3 | 0.020632369 | 0.8783906 | 6,760.122 | 0.00000 |
| LogAbund | UseIntensity:Realm | LU\_UI\_3 | 4,487 | 3 | 0.013259007 | 0.8867808 | 10,735.474 | -164.73732 |
| LandUse:Realm | LandUse | 4,487 | 3 | 0.013121667 | 0.8848447 | 10,770.334 | -129.87800 |
| UseIntensity | LU\_UI\_3 | 4,487 | 3 | 0.005457894 | 0.8827235 | 10,848.215 | -51.99714 |
| LandUse | LandUse | 4,487 | 3 | 0.003728243 | 0.8811569 | 10,900.212 | 0.00000 |