| **minSampleSize** | **Response** | **Fixef** | **n** | **n\_RB** | **R2Marginal** | **R2Conditional** | **AIC** | **deltaAIC** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | LogRichness | LandUse | 21,182 | 43 | 0.007974771 | 0.8613788 | 29,803.95 | 0.0000 |
| LogRichness | LandUse:Biome | 21,182 | 43 | 0.051103682 | 0.8734642 | 28,958.29 | -845.6529 |
| LogRichness | LandUse:Realm | 21,182 | 43 | 0.028151632 | 0.8652485 | 29,365.41 | -438.5365 |
| LogRichness | LandUse:RegionalBiome | 21,182 | 43 | 0.075414772 | 0.8722963 | 28,601.70 | -1,202.2450 |
| LogAbund | LandUse | 18,235 | 43 | 0.002319666 | 0.8901613 | 47,783.97 | 0.0000 |
| LogAbund | LandUse:Biome | 18,235 | 43 | 0.033227222 | 0.8962069 | 47,275.97 | -508.0034 |
| LogAbund | LandUse:Realm | 18,235 | 43 | 0.031296075 | 0.8935670 | 47,418.25 | -365.7246 |
| LogAbund | LandUse:RegionalBiome | 18,235 | 43 | 0.084354976 | 0.8965657 | 46,949.60 | -834.3727 |
| 1 | LogRichness | LandUse | 20,555 | 30 | 0.007908102 | 0.8591504 | 29,125.30 | 0.0000 |
| LogRichness | LandUse:Biome | 20,555 | 30 | 0.055391859 | 0.8723329 | 28,258.53 | -866.7711 |
| LogRichness | LandUse:Realm | 20,555 | 30 | 0.026435736 | 0.8628701 | 28,684.56 | -440.7384 |
| LogRichness | LandUse:RegionalBiome | 20,555 | 30 | 0.069654758 | 0.8709434 | 27,918.59 | -1,206.7080 |
| LogAbund | LandUse | 17,737 | 30 | 0.002211714 | 0.8899372 | 46,522.72 | 0.0000 |
| LogAbund | LandUse:Biome | 17,737 | 30 | 0.035843330 | 0.8967264 | 45,987.78 | -534.9427 |
| LogAbund | LandUse:Realm | 17,737 | 30 | 0.032985683 | 0.8931459 | 46,159.74 | -362.9848 |
| LogAbund | LandUse:RegionalBiome | 17,737 | 30 | 0.083338338 | 0.8970030 | 45,680.83 | -841.8963 |
| 5 | LogRichness | LandUse | 20,477 | 27 | 0.007898645 | 0.8601104 | 28,995.83 | 0.0000 |
| LogRichness | LandUse:Biome | 20,477 | 27 | 0.056573908 | 0.8722989 | 28,121.05 | -874.7784 |
| LogRichness | LandUse:Realm | 20,477 | 27 | 0.025621889 | 0.8638160 | 28,554.99 | -440.8396 |
| LogRichness | LandUse:RegionalBiome | 20,477 | 27 | 0.068536391 | 0.8719387 | 27,773.89 | -1,221.9347 |
| LogAbund | LandUse | 17,659 | 27 | 0.002331697 | 0.8896638 | 46,306.87 | 0.0000 |
| LogAbund | LandUse:Biome | 17,659 | 27 | 0.037051546 | 0.8951768 | 45,756.40 | -550.4766 |
| LogAbund | LandUse:Realm | 17,659 | 27 | 0.032306741 | 0.8929241 | 45,944.44 | -362.4317 |
| LogAbund | LandUse:RegionalBiome | 17,659 | 27 | 0.080620881 | 0.8975664 | 45,474.32 | -832.5564 |
| 25 | LogRichness | LandUse | 19,048 | 20 | 0.008574676 | 0.8580713 | 27,387.05 | 0.0000 |
| LogRichness | LandUse:Biome | 19,048 | 20 | 0.056508059 | 0.8692347 | 26,558.91 | -828.1365 |
| LogRichness | LandUse:Realm | 19,048 | 20 | 0.026981119 | 0.8618433 | 26,988.03 | -399.0176 |
| LogRichness | LandUse:RegionalBiome | 19,048 | 20 | 0.062548018 | 0.8694572 | 26,336.95 | -1,050.0985 |
| LogAbund | LandUse | 16,520 | 20 | 0.002930296 | 0.8899216 | 43,643.17 | 0.0000 |
| LogAbund | LandUse:Biome | 16,520 | 20 | 0.036468114 | 0.8953538 | 43,110.41 | -532.7564 |
| LogAbund | LandUse:Realm | 16,520 | 20 | 0.035267864 | 0.8933589 | 43,305.17 | -338.0001 |
| LogAbund | LandUse:RegionalBiome | 16,520 | 20 | 0.069984270 | 0.8963869 | 42,900.84 | -742.3358 |
| 50 | LogRichness | LandUse | 17,686 | 16 | 0.007930764 | 0.8585644 | 25,498.00 | 0.0000 |
| LogRichness | LandUse:Biome | 17,686 | 16 | 0.053871750 | 0.8703047 | 24,774.26 | -723.7421 |
| LogRichness | LandUse:Realm | 17,686 | 16 | 0.023635454 | 0.8626166 | 25,118.43 | -379.5700 |
| LogRichness | LandUse:RegionalBiome | 17,686 | 16 | 0.058942555 | 0.8704533 | 24,555.16 | -942.8438 |
| LogAbund | LandUse | 15,158 | 16 | 0.002732293 | 0.8935785 | 39,968.90 | 0.0000 |
| LogAbund | LandUse:Biome | 15,158 | 16 | 0.034201181 | 0.8988172 | 39,531.26 | -437.6403 |
| LogAbund | LandUse:Realm | 15,158 | 16 | 0.030880469 | 0.8971020 | 39,648.02 | -320.8753 |
| LogAbund | LandUse:RegionalBiome | 15,158 | 16 | 0.067648724 | 0.8999684 | 39,322.58 | -646.3219 |