| X.Intercept. | year.c | sqrt\_inv\_n\_tilda | perc\_annual\_dist | Functional\_group\_size.y | Functional\_group\_size.y.perc\_annual\_dist | above\_below | above\_below.perc\_annual\_dist | exoskeleton | exoskeleton.perc\_annual\_dist | mods | df | logLik | AICc | delta | weight | model | R2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| + | NA | NA | 0.003 | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist | 5 | -6.416 | 24.455 | 0.000 | 0.275 | rich\_M4 | 0.266 |
| + | 0.008 | NA | NA | NA | NA | NA | NA | NA | NA | ~year.c | 5 | -7.059 | 25.739 | 1.284 | 0.145 | rich\_M1 | 0.000 |
| + | NA | -0.016 | NA | NA | NA | NA | NA | NA | NA | ~sqrt\_inv\_n\_tilda | 5 | -7.461 | 26.544 | 2.090 | 0.097 | rich\_M2 | 0.000 |
| + | 0.008 | NA | 0.003 | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+year.c | 6 | -6.231 | 26.795 | 2.340 | 0.085 | rich\_M5 | 0.222 |
| NA | NA | NA | 0.002 | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below-1 | 7 | -5.010 | 27.220 | 2.766 | 0.069 | rich\_M12 | 0.075 |
| + | 0.037 | 0.731 | NA | NA | NA | NA | NA | NA | NA | ~year.c+sqrt\_inv\_n\_tilda | 6 | -6.455 | 27.243 | 2.788 | 0.068 | rich\_M3 | 0.000 |
| + | NA | -0.023 | 0.003 | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+sqrt\_inv\_n\_tilda | 6 | -6.681 | 27.695 | 3.241 | 0.054 | rich\_M6 | 0.000 |
| + | 0.035 | 0.726 | 0.003 | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+year.c+sqrt\_inv\_n\_tilda | 7 | -5.300 | 27.799 | 3.345 | 0.052 | rich\_M7 | 0.553 |
| NA | NA | 0.747 | 0.000 | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below+sqrt\_inv\_n\_tilda-1 | 8 | -3.896 | 28.026 | 3.572 | 0.046 | rich\_M14 | 0.412 |
| NA | NA | NA | 0.003 | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton-1 | 6 | -7.092 | 28.517 | 4.062 | 0.036 | rich\_M16 | 0.189 |
| NA | -0.006 | NA | 0.001 | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below+year.c-1 | 8 | -4.511 | 29.257 | 4.802 | 0.025 | rich\_M13 | 0.000 |
| NA | 0.010 | NA | 0.002 | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+year.c-1 | 7 | -6.668 | 30.536 | 6.081 | 0.013 | rich\_M17 | 0.000 |
| NA | 0.024 | 1.064 | 0.001 | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below+year.c+sqrt\_inv\_n\_tilda- | 9 | -3.583 | 30.620 | 6.165 | 0.013 | rich\_M15 | 0.543 |
| NA | NA | -0.093 | 0.002 | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+sqrt\_inv\_n\_tilda-1 | 7 | -7.065 | 31.330 | 6.876 | 0.009 | rich\_M18 | 0.000 |
| NA | 0.035 | 0.706 | 0.003 | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+year.c+sqrt\_inv\_n\_tilda- | 8 | -6.145 | 32.525 | 8.070 | 0.005 | rich\_M19 | 0.147 |
| NA | NA | NA | 0.001 | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y-1 | 8 | -6.265 | 32.766 | 8.312 | 0.004 | rich\_M8 | 0.000 |
| NA | 0.015 | NA | 0.001 | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+year.c-1 | 9 | -5.444 | 34.343 | 9.888 | 0.002 | rich\_M9 | 0.000 |
| NA | NA | -0.169 | 0.001 | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+sqrt\_inv\_n\_tilda- | 9 | -5.797 | 35.049 | 10.595 | 0.001 | rich\_M10 | 0.000 |
| NA | 0.016 | -0.453 | 0.001 | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+year.c+sqrt\_inv\_n\_tilda- | 10 | -4.873 | 36.621 | 12.167 | 0.001 | rich\_M11 | 0.000 |