| X.Intercept. | perc\_annual\_dist | year.c | sqrt\_inv\_n\_tilda | above\_below | above\_below.perc\_annual\_dist | Functional\_group\_size.y | Functional\_group\_size.y.perc\_annual\_dist | exoskeleton | exoskeleton.perc\_annual\_dist | mods | df | logLik | AICc | delta | weight | model | R2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NA | -0.001 | 0.007 | -0.491 | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+year.c+sqrt\_inv\_n\_tilda- | 11 | -330.993 | 685.078 | 0.000 | 0.272 | M12 | 0.114 |
| NA | -0.001 | NA | -0.574 | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+sqrt\_inv\_n\_tilda- | 10 | -332.280 | 685.466 | 0.388 | 0.224 | M11 | 0.126 |
| NA | -0.001 | 0.010 | NA | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+year.c-1 | 10 | -332.672 | 686.250 | 1.172 | 0.151 | M10 | 0.107 |
| NA | -0.001 | NA | NA | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y-1 | 9 | -334.294 | 687.326 | 2.248 | 0.088 | M9 | 0.109 |
| NA | 0.002 | 0.003 | -0.476 | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*above\_below+year.c+sqrt\_inv\_n\_tilda- | 9 | -334.863 | 688.464 | 3.387 | 0.050 | M8 | 0.095 |
| NA | 0.002 | NA | -0.491 | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*above\_below+sqrt\_inv\_n\_tilda-1 | 8 | -335.986 | 688.559 | 3.482 | 0.048 | M7 | 0.118 |
| NA | 0.002 | 0.004 | NA | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*above\_below+year.c-1 | 8 | -336.359 | 689.305 | 4.228 | 0.033 | M6 | 0.101 |
| NA | 0.002 | NA | NA | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*above\_below-1 | 7 | -337.540 | 689.535 | 4.458 | 0.029 | M5 | 0.122 |
| NA | 0.002 | 0.005 | -0.534 | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+year.c+sqrt\_inv\_n\_tilda- | 9 | -335.743 | 690.223 | 5.145 | 0.021 | M16 | 0.102 |
| NA | 0.002 | NA | -0.593 | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+sqrt\_inv\_n\_tilda-1 | 8 | -336.903 | 690.393 | 5.315 | 0.019 | M15 | 0.117 |
| + | 0.003 | 0.005 | -0.500 | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+year.c+sqrt\_inv\_n\_tilda | 7 | -338.030 | 690.515 | 5.437 | 0.018 | M4 | 0.117 |
| + | 0.003 | NA | -0.537 | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+sqrt\_inv\_n\_tilda | 6 | -339.186 | 690.711 | 5.634 | 0.016 | M3 | 0.132 |
| NA | 0.002 | 0.007 | NA | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+year.c-1 | 8 | -337.523 | 691.633 | 6.555 | 0.010 | M14 | 0.093 |
| + | 0.003 | 0.006 | NA | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+year.c | 6 | -339.947 | 692.235 | 7.157 | 0.008 | M2 | 0.099 |
| NA | 0.002 | NA | NA | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton-1 | 7 | -338.967 | 692.390 | 7.313 | 0.007 | M13 | 0.100 |
| + | 0.003 | NA | NA | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist | 5 | -341.307 | 692.855 | 7.778 | 0.006 | M1 | 0.110 |