| 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 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| + | NaN | NA | NA | NA | NA | NA | NA | NA | NA | ~year.c | 5 | -12.400 | 36.675 | 0.000 | 0.262 | shannon\_M1 |
| + | NA | NA | NaN | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist | 5 | -12.487 | 36.850 | 0.175 | 0.240 | shannon\_M4 |
| + | NaN | NA | NaN | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+year.c | 6 | -11.213 | 37.136 | 0.461 | 0.208 | shannon\_M5 |
| + | NA | NaN | NA | NA | NA | NA | NA | NA | NA | ~sqrt\_inv\_n\_tilda | 5 | -13.456 | 38.787 | 2.112 | 0.091 | shannon\_M2 |
| + | NA | NaN | NaN | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+sqrt\_inv\_n\_tilda | 6 | -12.442 | 39.594 | 2.919 | 0.061 | shannon\_M6 |
| + | NaN | NaN | NA | NA | NA | NA | NA | NA | NA | ~year.c+sqrt\_inv\_n\_tilda | 6 | -13.190 | 41.090 | 4.415 | 0.029 | shannon\_M3 |
| NA | NA | NA | NaN | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below-1 | 7 | -11.982 | 41.697 | 5.022 | 0.021 | shannon\_M12 |
| + | NaN | NaN | NaN | NA | NA | NA | NA | NA | NA | ~perc\_annual\_dist+year.c+sqrt\_inv\_n\_tilda | 7 | -12.005 | 41.743 | 5.068 | 0.021 | shannon\_M7 |
| NA | NA | NA | NaN | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y-1 | 7 | -12.636 | 43.006 | 6.331 | 0.011 | shannon\_M8 |
| NA | NA | NA | NaN | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton-1 | 7 | -12.636 | 43.006 | 6.331 | 0.011 | shannon\_M16 |
| NA | NaN | NA | NaN | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below+year.c-1 | 8 | -11.357 | 43.679 | 7.004 | 0.008 | shannon\_M13 |
| NA | NA | NaN | NaN | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below+sqrt\_inv\_n\_tilda-1 | 8 | -11.374 | 43.713 | 7.038 | 0.008 | shannon\_M14 |
| NA | NaN | NA | NaN | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+year.c-1 | 8 | -11.387 | 43.739 | 7.064 | 0.008 | shannon\_M17 |
| NA | NaN | NA | NaN | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+year.c-1 | 8 | -11.387 | 43.739 | 7.064 | 0.008 | shannon\_M9 |
| NA | NA | NaN | NaN | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+sqrt\_inv\_n\_tilda- | 8 | -11.821 | 44.608 | 7.933 | 0.005 | shannon\_M10 |
| NA | NaN | NaN | NaN | + | + | NA | NA | NA | NA | ~perc\_annual\_dist\*Functional\_group\_size.y+year.c+sqrt\_inv\_n\_tilda- | 9 | -10.725 | 45.879 | 9.204 | 0.003 | shannon\_M11 |
| NA | NaN | NaN | NaN | NA | NA | NA | NA | + | + | ~perc\_annual\_dist\*exoskeleton+year.c+sqrt\_inv\_n\_tilda- | 9 | -10.725 | 45.879 | 9.204 | 0.003 | shannon\_M19 |
| NA | NaN | NaN | NaN | NA | NA | + | + | NA | NA | ~perc\_annual\_dist\*above\_below+year.c+sqrt\_inv\_n\_tilda- | 9 | -10.770 | 45.969 | 9.294 | 0.003 | shannon\_M15 |