| **Variables in model** | **df** | **logLik** | **AICc** | **delta** | **weight** | **R2** |
| --- | --- | --- | --- | --- | --- | --- |
| Precipitation change \* Body size + Decline effect + Small study effect- | 11 | -330.900 | 684.891 | 0.000 | 0.226 | 0.113 |
| Precipitation change \* Body size + Small study effect- | 10 | -332.105 | 685.114 | 0.224 | 0.202 | 0.127 |
| Precipitation change \* Body size + Decline effect | 10 | -332.622 | 686.149 | 1.258 | 0.120 | 0.105 |
| Precipitation change \* Above/belowground + Small study effect | 8 | -335.171 | 686.930 | 2.039 | 0.081 | 0.137 |
| Precipitation change\*Above/belowground + Decline effect + Small study effect- | 9 | -334.097 | 686.933 | 2.042 | 0.081 | 0.115 |
| Precipitation change \* Body size | 9 | -334.133 | 687.004 | 2.114 | 0.078 | 0.110 |
| Precipitation change \* Above/belowground + Decline effect | 8 | -335.573 | 687.733 | 2.843 | 0.054 | 0.118 |
| Precipitation change\*Above/belowground | 7 | -336.700 | 687.855 | 2.965 | 0.051 | 0.139 |
| Precipitation change\*Exoskeleton + Decline effect + Small study effect- | 9 | -335.518 | 689.774 | 4.883 | 0.020 | 0.104 |
| Precipitation change \* Exoskeleton+Small study effect | 8 | -336.602 | 689.792 | 4.901 | 0.019 | 0.120 |
| ~Precipitation change + Decline effect + Small study effect | 7 | -337.702 | 689.859 | 4.969 | 0.019 | 0.124 |
| Precipitation change + Small study effect | 6 | -338.807 | 689.954 | 5.063 | 0.018 | 0.139 |
| Precipitation change \* Exoskeleton + Decline effect | 8 | -337.393 | 691.374 | 6.484 | 0.009 | 0.090 |
| Precipitation change + Decline effect | 6 | -339.605 | 691.550 | 6.659 | 0.008 | 0.106 |
| Precipitation change \* Exoskeleton | 7 | -338.724 | 691.903 | 7.013 | 0.007 | 0.102 |
| Precipitation change | 5 | -340.902 | 692.045 | 7.155 | 0.006 | 0.118 |