| **Variables** | **df** | **logLik** | **AICc** | **delta** | **weight** |
| --- | --- | --- | --- | --- | --- |
| Precipitation change | 5 | -6.416 | 24.455 | 0.000 | 0.275 |
| Decline effect | 5 | -7.059 | 25.739 | 1.284 | 0.145 |
| Small study effect | 5 | -7.461 | 26.544 | 2.090 | 0.097 |
| Precipitation change + Decline effect | 6 | -6.231 | 26.795 | 2.340 | 0.085 |
| Precipitation change\*Above/belowground | 7 | -5.010 | 27.220 | 2.766 | 0.069 |
| Decline effect + Small study effect | 6 | -6.455 | 27.243 | 2.788 | 0.068 |
| Precipitation change + Small study effect | 6 | -6.681 | 27.695 | 3.241 | 0.054 |
| Precipitation change + Decline effect + Small study effect | 7 | -5.300 | 27.799 | 3.345 | 0.052 |
| Precipitation change \* Above/belowground + Small study effect | 8 | -3.896 | 28.026 | 3.572 | 0.046 |
| Precipitation change \* Exoskeleton | 6 | -7.092 | 28.517 | 4.062 | 0.036 |
| Precipitation change\*Above/belowground + Decline effect | 8 | -4.511 | 29.257 | 4.802 | 0.025 |
| Precipitation change\*Exoskeleton + Decline effect | 7 | -6.668 | 30.536 | 6.081 | 0.013 |
| Precipitation change \* Above/belowground + Decline effect + Small study effect | 9 | -3.583 | 30.620 | 6.165 | 0.013 |
| Precipitation change \* Exoskeleton + Small study effect | 7 | -7.065 | 31.330 | 6.876 | 0.009 |
| Precipitation change\*Exoskeleton + Decline effect + Small study effect | 8 | -6.145 | 32.525 | 8.070 | 0.005 |
| Precipitation change \* Functional group size | 8 | -6.265 | 32.766 | 8.312 | 0.004 |
| Precipitation change\*Functional group size + Decline effect-1 | 9 | -5.444 | 34.343 | 9.888 | 0.002 |
| Precipitation change\*Functional group size + Small study effect- | 9 | -5.797 | 35.049 | 10.595 | 0.001 |
| Precipitation change\*Functional group size + Decline effect + Small study effect- | 10 | -4.873 | 36.621 | 12.167 | 0.001 |