| disturbance | outcome | model\_type | term | type | estimate | std.error | statistic | p.value | qe | qe\_p | I2 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Precipitation reduction | Abundance | Null model | overall | summary | -0.426 | 0.171 | -2.488 | 0.013 | 989.259 | 0.000 | 83.145 |
| Precipitation reduction | Abundance | Failed Geary test | overall | summary | -0.346 | 0.178 | -1.940 | 0.052 | 964.985 | 0.000 | 85.422 |
| Precipitation reduction | Abundance | Outliers removed | overall | summary | -0.379 | 0.135 | -2.798 | 0.005 | 513.015 | 0.000 | 66.835 |
| Precipitation reduction | Abundance | Low validity removed | overall | summary | -0.607 | 0.266 | -2.282 | 0.022 | 595.954 | 0.000 | 91.728 |
| Precipitation increase | Abundance | Null model | overall | summary | 0.305 | 0.146 | 2.091 | 0.037 | 1542.234 | 0.000 | 82.268 |
| Precipitation increase | Abundance | Failed Geary test | overall | summary | 0.304 | 0.146 | 2.082 | 0.037 | 1536.262 | 0.000 | 83.661 |
| Precipitation increase | Abundance | Outliers removed | overall | summary | 0.181 | 0.102 | 1.775 | 0.076 | 450.393 | 0.000 | 65.841 |
| Precipitation increase | Abundance | Low validity removed | overall | summary | 0.258 | 0.201 | 1.285 | 0.199 | 1402.081 | 0.000 | 84.595 |
| Precipitation reduction | Alpha diversity | Null model | overall | summary | -0.063 | 0.031 | -2.023 | 0.043 | 211.639 | 0.000 | 50.409 |
| Precipitation reduction | Alpha diversity | Failed Geary test | overall | summary | -0.063 | 0.031 | -2.023 | 0.043 | 211.639 | 0.000 | 50.409 |
| Precipitation reduction | Alpha diversity | Outliers removed | overall | summary | -0.039 | 0.037 | -1.047 | 0.295 | 194.450 | 0.000 | 42.770 |
| Precipitation reduction | Alpha diversity | Low validity removed | overall | summary | -0.128 | 0.022 | -5.712 | 0.000 | 128.609 | 0.000 | 7.964 |
| Precipitation increase | Alpha diversity | Null model | overall | summary | -0.052 | 0.022 | -2.357 | 0.018 | 18.127 | 0.900 | 0.000 |
| Precipitation increase | Alpha diversity | Failed Geary test | overall | summary | -0.052 | 0.022 | -2.357 | 0.018 | 18.127 | 0.900 | 0.000 |
| Precipitation increase | Alpha diversity | Outliers removed | overall | summary | -0.029 | 0.089 | -0.328 | 0.743 | 15.981 | 0.915 | 29.225 |
| Precipitation increase | Alpha diversity | Low validity removed | overall | summary | -0.056 | 0.023 | -2.490 | 0.013 | 9.299 | 0.992 | 0.000 |