## Locality richness

| **cbind Model - All species** | | | | |
| --- | --- | --- | --- | --- |
| **Terms** | **OR1** | **χ²** | **p-value2** |  |
| **Locality richness** | **2.057** | **52.389** | **0.000** | **\*\*\*** |
| log(Site abundance) | 4.523 | 0.860 | 0.354 |  |
| Temperature (°C) | 0.984 | 0.141 | 0.708 |  |
| **Soil moisture (kg·m²)** | **1.428** | **5.581** | **0.018** | **\*** |
| **Locality richness:log(Site abundance)** | **0.651** | **58.324** | **0.000** | **\*\*\*** |
| Temperature:Soil moisture | 1.031 | 1.700 | 0.192 |  |
| 1OR = Odds Ratio | | | | |
| 2\*p<0.05; \*\*p<0.01; \*\*\*p<0.001 | | | | |

## Richness (from dataset)

| **Richness estimate was derived from the dataset** | | | | |
| --- | --- | --- | --- | --- |
| **Terms** | **OR1** | **χ²** | **p-value2** |  |
| **Richness** | **0.157** | **60.747** | **0.000** | **\*\*\*** |
| log(Site abundance) | 0.735 | 3.450 | 0.063 | . |
| Temperature (°C) | 1.005 | 0.223 | 0.637 |  |
| **Soil moisture (kg·m²)** | **2.061** | **27.908** | **0.000** | **\*\*\*** |
| **Richness:log(Site abundance)** | **1.376** | **19.784** | **0.000** | **\*\*\*** |
| Temperature:Soil moisture | 1.015 | 0.423 | 0.515 |  |
| 1OR = Odds Ratio | | | | |
| 2\*p<0.05; \*\*p<0.01; \*\*\*p<0.001 | | | | |

## IUCN richness

| **Richness estimate derived from IUCN** | | | | |
| --- | --- | --- | --- | --- |
| **Terms** | **OR1** | **χ²** | **p-value2** |  |
| IUCN richness | 1.768 | 0.061 | 0.805 |  |
| **log(Site abundance)** | **9.531** | **5.791** | **0.016** | **\*** |
| Temperature (°C) | 0.983 | 0.883 | 0.348 |  |
| **Soil moisture (kg·m²)** | **1.465** | **10.761** | **0.001** | **\*\*** |
| **IUCN richness:log(Site abundance)** | **0.836** | **14.195** | **0.000** | **\*\*\*** |
| Temperature:Soil moisture | 0.998 | 0.005 | 0.946 |  |
| 1OR = Odds Ratio | | | | |
| 2\*p<0.05; \*\*p<0.01; \*\*\*p<0.001 | | | | |