**Polynomial regressions of the interpolated species richness patterns along the elevational gradients for all the species groups.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Regressions** | **Overall species** | **Large-ranged species** | **Small-ranged species** |
| **First-order *r*2** | 0.421 | 0.497\* | 0.309 |
| **AICc** | 3033.5\* | 722.9 | 928.07 |
| **Second-order *r*2** | 0.922\*\* | 0.873\*\* | 0.896\*\* |
| **AICc** | 412.62 | 187.34 | 144.42 |
| **Third-order *r*2** | **0.972\*\*** | **0.949\*\*** | **0.922\*\*** |
| **AICc** | **152.79** | **81.53** | **112.81** |

AICc, corrected Akaike information criterion. \**P* < 0.05, \*\**P* < 0.01; Bold numbers indicate the best regression model with lowest AICc value.