| **Metric** | **Term** | **Estimate** | **Standard Error** | **T Value** | **p** |
| --- | --- | --- | --- | --- | --- |
| Richness (Breakaway – Betta) | Intercept | 7.1 x 106 | 2.4 x 102 | NA | **< 0.001** |
| log(Size Class) | 1.2 x 102 | 6.1 x 101 | NA | 0.058 |
| log(Size Class)2 | -5.0 x 101 | 1.2 x 101 | NA | **< 0.001** |
| Latitude | -3.7 x 105 | 6.1 x 100 | NA | **< 0.001** |
| Latitude2 | 4.8 x 103 | 1.6 x 10-1 | NA | **< 0.001** |
| Depth | 1.5 x 102 | 1.0 x 101 | NA | **< 0.001** |
| Richness (Breakaway – LM) | Intercept | 7.1 x 106 | 3.3 x 106 | 2.13 | **0.036** |
| log(Size Class) | 2.4 x 102 | 2.0 x 102 | 1.21 | 0.231 |
| log(Size Class)2 | -7.5 x 101 | 3.8 x 101 | -2.00 | 0.050 |
| Latitude | -3.7 x 105 | 1.7 x 105 | -2.13 | **0.037** |
| Latitude2 | 4.8 x 103 | 2.3 x 103 | 2.13 | **0.037** |
| Depth | 1.5 x 102 | 8.0 x 101 | 1.89 | 0.064 |
| Diversity (Shannon H) | Intercept | 1.7 x 103 | 7.9 x 102 | 2.12 | **0.037** |
| log(Size Class) | 2.0 x 10-1 | 4.8 x 10-2 | 4.25 | **< 0.001** |
| log(Size Class)2 | -3.7 x 10-2 | 8.9 x 10-3 | -4.15 | **< 0.001** |
| Latitude | -8.7 x 101 | 4.1 x 101 | -2.11 | **0.038** |
| Latitude2 | 1.1 x 100 | 5.3 x 10-1 | 2.11 | **0.038** |
| Depth | 1.9 x 10-2 | 1.9 x 10-2 | 0.99 | 0.325 |
| Evenness (Pielou J) | Intercept | -2.0 x 101 | 2.8 x 101 | -0.71 | 0.480 |
| log(Size Class) | -3.3 x 10-3 | 1.7 x 10-3 | -1.97 | 0.053 |
| log(Size Class)2 | 5.7 x 10-4 | 3.1 x 10-4 | 1.85 | 0.069 |
| Latitude | 1.0 x 100 | 1.4 x 100 | 0.71 | 0.481 |
| Latitude2 | -1.3 x 10-2 | 1.9 x 10-2 | -0.71 | 0.482 |
| Depth | -2.4 x 10-4 | 6.6 x 10-4 | -0.36 | 0.720 |