| **eco-region** | **number of**  **observ.** | **standard error sigma vs parameter a** | **residual plots**  **(basal area,**  **individual patches)** | **Shapiro–Wilk test for residuals:**  **test statistic W /**  **p**-**value** |
| --- | --- | --- | --- | --- |
| 211 | 14060 |  |  | 0.71 / 0.0 |
| 212 | 82401 |  |  | 0.68 / 0.0 |
| 221 | 20646 |  |  | 0.65 / 0.0 |
| 222 | 23594 |  |  | 0.75 / 0.0 |
| 223 | 24766 |  |  | 0.69 / 0.0 |
| 231 | 54649 |  |  | 0.79 / 0.0 |
| 232 | 91856 |  |  | 0.85 / 0.0 |
| 234 | 2605 |  |  | 0.72 / 0.0 |
| 242 | 544 |  |  | 0.81 / 0.01 |
| 251 | 9855 |  |  | 0.76 / 0.0 |
| 255 | 2846 |  |  | 0.76 / 0.0 |
| 261 | 144 |  |  | 0.93 / 0.55 |
| 262 | 5 |  |  |  |
| 263 | 418 |  |  | 0.96 / 0.29 |
| 313 | 3499 |  |  | 0.64 / 0.0 |
| 315 | 3597 |  |  |  |
| 321 | 1509 |  |  | 0.63 / 0.0 |
| 322 | 470 |  |  | 0.91 / 0.0 |
| 331 | 1819 |  |  | 0.73 / 0.0 |
| 332 | 1565 |  |  | 0.8 / 0.0 |
| 341 | 2338 |  |  | 0.47 / 0.0 |
| 342 | 927 |  |  | 0.72 / 0.0 |
| 411 | 585 |  |  | 0.87 / 0.0 |
| M211 | 10345 |  |  | 0.71 / 0.0 |
| M221 | 23137 |  |  | 0.68 / 0.0 |
| M223 | 1268 |  |  | 0.55 / 0.0 |
| M231 | 2040 |  |  | 0.64 / 0.0 |
| M242 | 5148 |  |  | 0.78 / 0.0 |
| M261 | 4755 |  |  | 0.65 / 0.0 |
| M262 | 250 |  |  | 0.8 / 0.01 |
| M313 | 2130 |  |  | 0.69 / 0.0 |
| M331 | 5470 |  |  | 0.73 / 0.0 |
| M332 | 4416 |  |  | 0.56 / 0.0 |
| M333 | 3105 |  |  | 0.8 / 0.0 |
| M334 | 634 |  |  | 0.68 / 0.0 |
| M341 | 2472 |  |  | 0.55 / 0.0 |