| Trait | Term | Degrees of freedom | Sum of squares | Mean squares | F-statistic | p-value |
| --- | --- | --- | --- | --- | --- | --- |
| Maximum height (cm) | Species | 8 | 380965.1 | 47620.64 | 72.71 | **<0.001** |
| Residuals | 235 | 153914.3 | 654.95 |  |  |
| Thickness (mm) | Species | 8 | 11.23 | 1.40 | 19.93 | **<0.001** |
| Residuals | 235 | 16.56 | 0.07 |  |  |
| Surface area (mm²) | Species | 8 | 3.5e+22 | 4.4e+21 | 9.05 | **<0.001** |
| Residuals | 235 | 1.1e+23 | 4.8e+20 |  |  |
| Height:Wet weight (cm/wet mg) | Species | 8 | 0.00 | 0 | 1.44 | 0.18 |
| Residuals | 235 | 0.02 | 0 |  |  |
| Dry:wet weight | Species | 8 | 4.94 | 0.62 | 104.17 | **<0.001** |
| Residuals | 235 | 1.39 | 0.01 |  |  |
| Height:volume (cm/mL) | Species | 8 | 386.33 | 48.29 | 11.41 | **<0.001** |
| Residuals | 235 | 994.77 | 4.23 |  |  |
| Surface area:volume (mm²/mL) | Species | 8 | 3.9e+12 | 4.9e+11 | 24.57 | **<0.001** |
| Residuals | 235 | 4.7e+12 | 2.0e+10 |  |  |
| Surface area:dry weight (mm²/dry mg) | Species | 8 | 7.0e+12 | 8.7e+11 | 21.99 | **<0.001** |
| Residuals | 235 | 9.3e+12 | 4.0e+10 |  |  |
| Surface area:perimeter (mm²/mm) | Species | 8 | 29318.68 | 3664.84 | 146.44 | **<0.001** |
| Residuals | 235 | 5881.31 | 25.03 |  |  |