| Trait | Term | Degrees of freedom | Sum of squares | Mean squares | F-statistic | p-value |
| --- | --- | --- | --- | --- | --- | --- |
| Maximum height (cm) | Species | 8 | 380,965.13 | 47,620.64 | 72.71 | **<0.001** |
| Residuals | 235 | 153,914.28 | 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 | 3.49e+22 | 4.36e+21 | 9.05 | **<0.001** |
| Residuals | 235 | 1.13e+23 | 4.82e+20 |  |  |
| Height:Wet weight (cm/wet mg) | Species | 8 | 0.00 | 0.00 | 1.44 | 0.18 |
| Residuals | 235 | 0.02 | 0.00 |  |  |
| 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 | 3.90e+12 | 4.88e+11 | 24.57 | **<0.001** |
| Residuals | 235 | 4.67e+12 | 1.99e+10 |  |  |
| Surface area:dry weight (mm²/dry mg) | Species | 8 | 6.99e+12 | 8.73e+11 | 21.99 | **<0.001** |
| Residuals | 235 | 9.33e+12 | 3.97e+10 |  |  |
| Surface area:perimeter (mm²/mm) | Species | 8 | 29,318.68 | 3,664.84 | 146.44 | **<0.001** |
| Residuals | 235 | 5,881.31 | 25.03 |  |  |