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| **S8 Table: Independent general linear model (GLM) and paired Sidak tests for the morphological complexity of the FH astrocytes of migratory and non-migratory birds.** |
| Dependent variable: LogComplexidade |
| Source | Type III Sum of Squares | df | Square Average | F | Sig. | Square partial Eta |
| Corrected model | 137.517a | 7 | 19.645 | 211.902 | .000 | .581 |
| Interception | 10617.009 | 1 | 10617.009 | 114519.787 | .000 | .991 |
| Species | 45.364 | 3 | 15.121 | 163.105 | .000 | .314 |
| Types | 80.582 | 1 | 80.582 | 869.190 | .000 | .448 |
| Species vs Types | .493 | 3 | .164 | 1.773 | .151 | .005 |
| Error | 99.106 | 1069 | .093 |  |  |  |
| Total | 14215.775 | 1077 |  |  |  |  |
| Total corrected | 236.622 | 1076 |  |  |  |  |
| Pairwise comparisons |
| Type | Species | Species | Mean difference (I-J) | Standard error | Sig.b | 95% confidence interval for the difference b |
| Inferior limit | Superior limit |
| 1 | *C. collaris* | *C. semipalmatus* | -.243\* | .055 | .000 | -.387 | -.099 |
| *C. pusilla* | -.602\* | .052 | .000 | -.738 | -.465 |
| *A. macularius* | -.494\* | .042 | .000 | -.605 | -.384 |
| *C. semipalmatus* | *C. collaris* | .243\* | .055 | .000 | .099 | .387 |
| *C. pusilla* | -.359\* | .064 | .000 | -.527 | -.190 |
| *A. macularius* | -.251\* | .056 | .000 | -.400 | -.103 |
| *C. pusilla* | *C. collaris* | .602\* | .052 | .000 | .465 | .738 |
| *C. semipalmatus* | .359\* | .064 | .000 | .190 | .527 |
| *A. macularius* | .107 | .053 | .241 | -.034 | .248 |
| *A. macularius* | *C. collaris* | .494\* | .042 | .000 | .384 | .605 |
| *C. semipalmatus* | .251\* | .056 | .000 | .103 | .400 |
| *C. pusilla* | -.107 | .053 | .241 | -.248 | .034 |
| 2 | *C. collaris* | *C. semipalmatus* | -.154\* | .032 | .000 | -.238 | -.070 |
| *C. pusilla* | -.621\* | .033 | .000 | -.709 | -.533 |
| *A. macularius* | -.403\* | .035 | .000 | -.495 | -.311 |
| *C. semipalmatus* | *C. collaris* | .154\* | .032 | .000 | .070 | .238 |
| *C. pusilla* | -.467\* | .029 | .000 | -.543 | -.392 |
| *A. macularius* | -.249\* | .030 | .000 | -.329 | -.170 |
| *C. pusilla* | *C. collaris* | .621\* | .033 | .000 | .533 | .709 |
| *C. semipalmatus* | .467\* | .029 | .000 | .392 | .543 |
| *A. macularius* | .218\* | .032 | .000 | .134 | .302 |
| *A. macularius* | *C. collaris* | .403\* | .035 | .000 | .311 | .495 |
| *C. semipalmatus* | .249\* | .030 | .000 | .170 | .329 |
| *C. pusilla* | -.218\* | .032 | .000 | -.302 | -.134 |
| Species | Types | Types | Mean difference (I-J) | Standard error | Sig.b | 95% confidence interval for the difference b |
| Inferior limit | Superior limit |
| *C. collaris* | 1 | 2 | .613\* | .038 | .000 | .539 | .688 |
| 2 | 1 | -.613\* | .038 | .000 | -.688 | -.539 |
| *C. semipalmatus* | 1 | 2 | .703\* | .051 | .000 | .604 | .802 |
| 2 | 1 | -.703\* | .051 | .000 | -.802 | -.604 |
| *C. pusilla* | 1 | 2 | .594\* | .048 | .000 | .499 | .689 |
| 2 | 1 | -.594\* | .048 | .000 | -.689 | -.499 |
| *A. macularius* | 1 | 2 | .705\* | .039 | .000 | .628 | .781 |
| 2 | 1 | -.705\* | .039 | .000 | -.781 | -.628 |
| Species | Species | Mean difference (I-J) | Standard error | Sig.b | 95% confidence interval for the differenceb |
| Inferior limit | Superior limit |
| *C. collaris* | *C. semipalmatus* | -.198\* | .032 | .000 | -.282 | -.115 |
| *C. pusilla* | -.611\* | .031 | .000 | -.692 | -.530 |
| *A. macularius* | -.449\* | .027 | .000 | -.520 | -.377 |
| *C. semipalmatus* | *C. collaris* | .198\* | .032 | .000 | .115 | .282 |
| *C. pusilla* | -.413\* | .035 | .000 | -.505 | -.321 |
| *A. macularius* | -.250\* | .032 | .000 | -.335 | -.166 |
| *C. pusilla* | *C. collaris* | .611\* | .031 | .000 | .530 | .692 |
| *C. semipalmatus* | .413\* | .035 | .000 | .321 | .505 |
| *A. macularius* | .163\* | .031 | .000 | .081 | .245 |
| *A. macularius* | *C. collaris* | .449\* | .027 | .000 | .377 | .520 |
| *C. semipalmatus* | .250\* | .032 | .000 | .166 | .335 |
| *C. pusilla* | -.163\* | .031 | .000 | -.245 | -.081 |
| Based on estimated marginal means |
| \*. The average difference is significant at the .05 level. |
| a. R squared =.581 (adjusted R squared =.578)b. Fit for multiple comparisons: Sidak. |