|  | **Distribution** | **Response** | **Predictor** | **Test Statistica** | **Residual DF** | **P-Value** | **R²** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Spider Position | Binomial | (i) Loud (1) or Quiet (0) | Amplitude | 0.30 | 244 | 0.761 | 0.655b |
| Age | -0.36 | 0.718 |
| Amplitude x Age | -1.75 | 0.081 . |
| Silk Mass | Binomial | (ii) Loud (1) or Quiet (0) | Amplitude | 1.11 | 65 | 0.268 | 0.072 |
| Age | -0.72 | 0.469 |
| Amplitude x Age | -1.94 | 0.053 . |
| Beta | (iii) Proportion of Silk Mass | Chamber | 168.44 | 195 | < 0.001 \*\*\* | 0.469 |
| Amplitude | 1.05 | 0.306 |
| Age | 0.04 | 0.843 |
| Chamber x Amp. | 6.23 | 0.044 \* |
| Chamber x Age | 0.40 | 0.818 |
| Chamber x Amp. x Age | 11.63 | 0.009 \*\* |
| Spider Position | Binomial | (iv) Stay (1) or Move (0) | Amplitude | 0.75 | 65 | 0.460 | 0.038 |
| Body Condition | 0.11 | 0.910 |
| Amplitude x Body Condition | -1.57 | 0.120 |
| aThe test statistic was a z-value for all tests except for beta regression where we provide a chi-square value. | | | | | | | |
| bThis test was a mixed model with spider ID as a random effect. As such, the R² value is the conditional R². The marginal R² value was 0.055. | | | | | | | |