**Appendix 1**

**Table A1:** Summary statistics of spider traits used in the analysis. Linear units are µm and area units are µm2.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Trait | Mean | SD | CV | n |
| *Female TPL* | 10319.7 | 660.6 | 0.064 | 50 |
| $$\sqrt{Female carapace area}$$ | 6338.9 | 358.1 | 0.056 | 50 |
| *Median septum length* | 713.3 | 56.7 | 0.08 | 50 |
| *Median septum width* | 825.0 | 82.8 | 0.10 | 50 |
| *Male TPL* | 3923.2 | 400.9 | 0.10 | 45 |
| $$\sqrt{Male carapace area}$$ | 2456.1 | 177.2 | 0.072 | 47 |
| *Pedipalp apophysis area* | 94529.9 | 8725.2 | 0.092 | 46 |
| *Spur length* | 341.9 | 32.5 | 0.095 | 46 |