**Brazil *An. darlingi* Wing- Information and descriptive tables (08/24/2017)**

Independent variables

* Biome [Amazon, Cerrado, Mata Atlantica]- Categorical/nominal
  + State [Amazonas, Rondonia, Tocantins, Mata Atlantica]-Ordinal
  + Locality [ARS, APR, RPV, RMO, TLC, TPN, SJU]-Ordinal
  + Latitude [-2.864, -3.028, -8.742, -9.223, -10.7, -10.796, -22.611 ]- Ordinal
* Family [for lab reared, which female within the biome/locality they came from]- Categorical
  + Well grouping [1,2,3]- Ordinal (5 larvae raised in each of 3 wells per female per temperature)
* Temperature [ 20, 24, 28C]- Ordinal
* Sex [M/F]- Categorical

Dependent variables

* Wing length (mm)- Continuous
* Larvae life length (days)- Discrete
* Pupal life length (days)- Discrete
* Adult life length (days)- Discrete
* Death status (0,1,2) – Ordinal 0=died as larvae, 1= died as pupae, 2=died as adult
* Rate of development

**Field wing descriptive data**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Biome | Locality | Latitude | n | Average wing length (mm) | Average CS 13 | Average CS 18 |
| Amazon | ARS | -2.864 | 17 | 2.92±0.19 | 3.10±0.21 | 2.70±0.18 |
| APR | -3.028 | 50 | 2.97±0.18 | 3.14±0.19 | 2.75±0.18 |
| RPV | -8.742 | 47 | 2.95±0.18 | 3.13±0.18 | 2.75±0.16 |
| RMO | -9.223 | 45 | 3.02±0.18 | 3.21±0.19 | 2.83±0.17 |
| Cerrado | TLC | -10.7 | 54 | 3.09±0.17 | 3.279±0.17 | 2.87±0.15 |
| TPN | -10.796 | 17 | 3.04±0.17 | 3.23±0.17 | 2.89±0.15 |
| Mata Atlantica | SJU | -22.611 | 11 | 3.50±0.1 | 3.7±0.1 | 3.26±0.11 |

**Lab wing descriptive table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Biome** | **Locality** | **Latitude** | **Lab reared** | **Temp:Sex** | **Lab Average Wing length (mm)** |
| **Amazon** | ARS | -2.864 | 20 | 20:F | 2.71±0.11 |
| 20 | 20:M | 2.79±0.12 |
| 20 | 24:F | 2.64±0.13 |
| 20 | 24:M | 2.65±0.11 |
| 20 | 28:F | 2.45±0.12 |
| 20 | 28:M | 2.57±0.15 |
| APR | -3.028 | 22 | 20:F | 2.75±0.09 |
| 25 | 20:M | 2.77±0.1 |
| 25 | 24:F | 2.61±0.13 |
| 23 | 24:M | 2.61±0.13 |
| 21 | 28:F | 2.47±0.1 |
| 23 | 28:M | 2.58±0.13 |
| RPV | -8.742 | 22 | 20:F | 2.75±0.16 |
| 23 | 20:M | 2.89±0.15 |
| 24 | 24:F | 2.61±0.08 |
| 21 | 24:M | 2.68±0.15 |
| 20 | 28:F | 2.4±0.13 |
| 20 | 28:M | 2.51±0.11 |
| RMO | -9.223 | 25 | 20:F | 2.77±0.13 |
| 22 | 20:M | 2.78±0.11 |
| 24 | 24:F | 2.61±0.13 |
| 25 | 24:M | 2.68±0.14 |
| 20 | 28:F | 2.5±0.1 |
| 20 | 28:M | 2.57±0.13 |
| **Cerrado** | TLC | -10.7 | 20 | 20:F | 2.75±0.11 |
| 20 | 20:M | 2.8±0.16 |
| 20 | 24:F | 2.66±0.08 |
| 20 | 24:M | 2.76±0.12 |
| 20 | 28:F | 2.52±0.1 |
| 20 | 28:M | 2.58±0.13 |
| TPN | -10.796 | 19 | 20:F | 2.79±0.11 |
| 19 | 20:M | 2.86±0.14 |
| 20 | 24:F | 2.66±0.12 |
| 20 | 24:M | 2.77±0.18 |
| 16 | 28:F | 2.53±0.16 |
| 19 | 28:M | 2.62±0.17 |
| **Mata Atlantica** | SJU | -22.611 | 20 | 20:F | 3.05±0.14 |
| 20 | 20:M | 2.92±0.14 |
| 20 | 24:F | 2.74±0.11 |
| 20 | 24:M | 2.8±0.1 |
| 16 | 28:F | 2.63±0.11 |
| 16 | 28:M | 2.67±0.13 |