503 Table 1.

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513 Table 2.

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Table 3.

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| Treatment | Sex | Hazard ratios between mating status | 0 – 5 | 5 – 11 | 11 – 21 |
| Control | Female | Mated vs Virgins  *(p-value)* | 1.28  *(0.4978)* | 1.24  *(0.4446)* | 0.93  *(0.8012)* |
| Control | Female | Cohabit vs Virgins  *(p-value)* | 2.79  *(0.0014)* | 4.59  *(<0.0001)* | 2.29  *(<0.0001)* |
| Control | Female | Cohabit vs Mated  *(p-value)* | 2.19  *(0.0219)* | 3.69  *(0.0003)* | 2.46  *(0.0046)* |
| Control | Male | Mated vs Virgins  *(p-value)* | 0.70  *(0.3297)* | 0.69  *(0.1956)* | 0.52  *(0.0238)* |
| Control | Male | Cohabit vs Virgins  *(p-value)* | 2.79  *(0.0014)* | 4.59  *(<0.0001)* | 2.29  *(<0.0001)* |
| Control | Male | Cohabit vs Mated  *(p-value)* | 3.96  *(0.0005)* | 6.69  *(<0.0001)* | 4.45  *(<0.0001)* |
| Fungal | Female | Mated vs Virgins  *(p-value)* | 2.72  *(0.0041)* | 2.65  *(<0.0001)* | 1.99  *(<0.0001)* |
| Fungal | Female | Cohabit vs Virgins  *(p-value)* | 2.79  *(0.0014)* | 4.59  *(<0.0001)* | 2.29  *(<0.0001)* |
| Fungal | Female | Cohabit vs Mated  *(p-value)* | 1.03  *(0.9073)* | 1.73  *(0.0001)* | 1.15  *(0.3419)* |
| Fungal | Male | Mated vs Virgins  *(p-value)* | 1.50  *(0.1854)* | 1.46  *(0.0098)* | 1.10  *(0.4450)* |
| Fungal | Male | Cohabit vs Virgins  *(p-value)* | 2.79  *(0.0014)* | 4.59  *(<0.0001)* | 2.29  *(<0.0001)* |
| Fungal | Male | Cohabit vs Mated  *(p-value)* | 1.86  *(0.0178)* | 3.14  *(<0.0001)* | 2.09  *(0.0002)* |

Table 4.

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| --- | --- | --- | --- |
| Treatment | Mating status | Hazard ratios between sex | 0 – 21 |
| Control | Virgins | Male vs Female  *(p-value)* | 2.11  *(0.0016)* |
| Control | Mated | Male vs Female  *(p-value)* | 1.16  *(0.4805)* |
| Control | Cohabit | Male vs Female  *(p-value)* | 1.33  *(0.0013)* |
| Fungal | Virgins | Male vs Female  *(p-value)* | 2.11  *(0.0016)* |
| Fungal | Mated | Male vs Female  *(p-value)* | 0.74  *(0.0084)* |
| Fungal | Cohabit | Male vs Female  *(p-value)* | 1.33  *(0.0013)* |

539 Table 5. Analysis of Variance Table for Offspring Data from Mated and Cohabit Females

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| --- | --- | --- | --- | --- | --- |
|  | Df | Sum Sq | Mean Sq | F value | Pr(>F) |
| Day | 1 | 55.19 | 55.19 | 5.8532 | 0.01634\* |
| Treatment | 1 | 363.70 | 363.70 | 38.5723 | 2.505e-09\*\*\* |
| Mating\_status | 1 | 229.53 | 229.53 | 24.3426 | 1.564e-06\*\*\* |
| Treatment:Mating\_status | 1 | 47.40 | 47.40 | 5.0270 | 0.02593\* |
| Day:Treatment | 1 | 163.88 | 163.88 | 17.3799 | 4.361e-05\*\*\* |
| Residuals | 226 | 2130.98 | 9.43 |  |  |

548 Table 6. Hazard Ratios and p-values for Males vs Females in GHA Inoculated Flies

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| --- | --- | --- | --- |
| Baseline: Female | 0 – 8 | 8 – 12 | 12 – 21 |
| Hazard ratio  *(p-value)* | 0.403  *(0.00043)* | 1.268  *(0.003486)* | 1.245  *(0.07487)* |