|  |
| --- |
| **Larval and pupal development traits (PCA1)** |
|  |  5th weight | 6th weight | 7th weight | 5th period | 6th period | 7th period | Pupal period |
| 6th weight | 0.417 \* |  - |  |  |  |  |  |
| 7th weight | 0.089 | 0.236 |  - |  |  |  |  |
| 5th period | -0.504 \*\* | 0.085 | -0.052 |  - |  |  |  |
| 6th period | -0.199 | -0.333 | 0.445 \* | 0.243 | - |  |  |
| 7th period | -0.088 | -0.133 | -0.382 \* | 0.139 | 0.022 |  - |  |
| Pupal period | 0.247 | 0.161 | 0.142 | -0.576 \*\* | -0.505 \*\* | -0.646 \*\*\* | - |
| Pupal weight | -0.006 | -0.046 | 0.195 | 0.165 | 0.427 \* | 0.634 \*\*\* | -0.573 \*\* |
| **Male adult traits (PCAM)** |
|  | Pupal weight | Distance | Proba to fly T | Nbr of matings | Survival |
| Distance | 0.059 | - |  |  |  |
| Proba to fly T | 0.095 | 0.215 | - |  |  |
| Nbr of matings | -0.268 | -0.043 | 0.101 | - |  |
| Survival | 0.236 | 0.242 | 0.021 | 0.099 | - |
| Age at 1st mating | -0.228 | 0.100 | -0.051 | -0.027 | 0.306 |
| **Female adult traits (PCAF)** |
|  | Pupal weight | Distance | Proba to fly T | Plant pref T | Nbr of matings | Age at 1st ovip | Survival | Total clutch | Total larvae | Total eggs | Hatch rate T | Age 1st mating | Size 1st clutch |
| Distance | 0.320 \*\* | - |  |  |  |  |  |  |  |  |  |  |  |
| Proba to flyT | 0.080 | 0.190 | - |  |  |  |  |  |  |  |  |  |  |
| Plant pref T | -0.158 | 0.007 | -0.118 | - |  |  |  |  |  |  |  |  |  |
| Nbr of matings | 0.003 | -0.026 | -0.103 | 0.007 | - |  |  |  |  |  |  |  |  |
| Age at 1st oviposition | 0.133 | 0.130 | 0.162 | 0.176 | 0.041 | - |  |  |  |  |  |  |  |
| Survival | -0.036 | 0.225 \* | -0.053 | -0.113 | 0.160 | 0.252 \* | - |  |  |  |  |  |  |
| Total clutch | 0.005 | 0.163 | -0.075 | -0.156 | 0.237\* | -0.151 | 0.687 \*\*\* | - |  |  |  |  |  |
| Total larvae | 0.216 \* | 0.282 \*\* | 0.029 | -0.191 | 0.174 | -0.005 | 0.728 \*\*\* | 0.808\*\*\* | - |  |  |  |  |
| Total eggs | 0.216 \* | 0.230 \* | -0.013 | -0.182 | 0.224\* | -0.002 | 0.768 \*\*\* | 0.862\*\*\* | 0.979 \*\*\* | **-** |  |  |  |
| Hatch rateT | 0.331 \*\* | 0.300 \*\* | 0.277\*\* | -0.36 \*\*\* | -0.084 | 0.005 | 0.243 \* | 0.187 | 0.511 \*\*\* | 0.372 \*\*\* | **-** |  |  |
| Age 1st mating | -0.202 | -0.168 | 0.013 | 0.177 | -0.111 | -0.032 | -0.014 | -0.058 | -0.059 | -0.023 | -0.329\*\* | **-** |  |
| 1st clutch size | 0.242 \* | 0.052 | 0.294 \*\* | -0.130 | -0.109 | 0.464 \*\*\* | 0.097 | -0.27 \* | 0.142 | 0.102 | 0.280 \*\* | -0.115 | **-** |
| HR 1st clutchT | 0.265 \* | 0.222 \* | 0.253 \* | -0.32 \*\* | -0.293 \*\* | 0.055 | 0.161 | -0.034 | 0.349 \*\*\* | 0.212 \* | 0.825 \*\*\* | -0.215 \* | 0.498 \*\*\* |