# All populations & Urbanization = Distance from City Center

| **Variable** | **Original p** | **Bonferroni** | **Benjamini- Hochberg** | **Benjamini- Hochberg- Yekutieli** |
| --- | --- | --- | --- | --- |
| Herbivory\_mean\_early\_binary | 0.046 | 1 | 0.536 | 1 |
| cardenolide\_6.6 | 0.069 | 1 | 0.536 | 1 |
| cardenolide\_Total | 0.079 | 1 | 0.536 | 1 |
| log(Herbivory\_mean\_late) | 0.119 | 1 | 0.536 | 1 |
| log(Scar\_length\_cm) | 0.123 | 1 | 0.536 | 1 |
| Ramets\_late | 0.132 | 1 | 0.536 | 1 |
| sqrt(LDMC) | 0.162 | 1 | 0.536 | 1 |
| Total\_Height\_late^(1/3) | 0.168 | 1 | 0.536 | 1 |
| mean\_flower\_count | 0.170 | 1 | 0.536 | 1 |
| Total\_Height\_early^(1/3) | 0.185 | 1 | 0.536 | 1 |
| Ramets\_early | 0.325 | 1 | 0.841 | 1 |
| Monarch\_Quantity\_Observed | 0.430 | 1 | 0.841 | 1 |
| Scar\_binary | 0.442 | 1 | 0.841 | 1 |
| Overall\_mean | 0.483 | 1 | 0.841 | 1 |
| cardenolide\_15 | 0.491 | 1 | 0.841 | 1 |
| Herbivory\_mean\_late\_binary | 0.504 | 1 | 0.841 | 1 |
| Peduncles | 0.517 | 1 | 0.841 | 1 |
| cardenolide\_17.6 | 0.555 | 1 | 0.841 | 1 |
| Latex\_weight\_mg^(1/3) | 0.620 | 1 | 0.841 | 1 |
| Labidomera\_clivicollis | 0.666 | 1 | 0.841 | 1 |
| Liriomyza\_asclepiadis | 0.674 | 1 | 0.841 | 1 |
| flowering\_time\_num | 0.679 | 1 | 0.841 | 1 |
| log(SLA + 1) | 0.700 | 1 | 0.841 | 1 |
| Flowered | 0.753 | 1 | 0.841 | 1 |
| rel\_growth\_rate^(1/3) | 0.786 | 1 | 0.841 | 1 |
| Dead | 0.805 | 1 | 0.841 | 1 |
| Julian\_oldest\_inflor - 170 | 0.808 | 1 | 0.841 | 1 |
| log(Herbivory\_mean\_early) | 0.812 | 1 | 0.841 | 1 |
| Pods | 0.920 | 1 | 0.920 | 1 |

# All populations & Urbanization = Urbanization Score

| **Variable** | **Original p** | **Bonferroni** | **Benjamini- Hochberg** | **Benjamini- Hochberg- Yekutieli** |
| --- | --- | --- | --- | --- |
| mean\_flower\_count | 0.037 | 1 | 0.652 | 1 |
| Latex\_weight\_mg^(1/3) | 0.045 | 1 | 0.652 | 1 |
| cardenolide\_17.6 | 0.068 | 1 | 0.659 | 1 |
| log(Herbivory\_mean\_early) | 0.138 | 1 | 0.959 | 1 |
| Herbivory\_mean\_early\_binary | 0.279 | 1 | 0.959 | 1 |
| Total\_Height\_early^(1/3) | 0.350 | 1 | 0.959 | 1 |
| Labidomera\_clivicollis | 0.407 | 1 | 0.959 | 1 |
| log(Scar\_length\_cm) | 0.408 | 1 | 0.959 | 1 |
| Total\_Height\_late^(1/3) | 0.467 | 1 | 0.959 | 1 |
| Monarch\_Quantity\_Observed | 0.505 | 1 | 0.959 | 1 |
| Scar\_binary | 0.522 | 1 | 0.959 | 1 |
| cardenolide\_15 | 0.538 | 1 | 0.959 | 1 |
| Overall\_mean | 0.556 | 1 | 0.959 | 1 |
| sqrt(LDMC) | 0.609 | 1 | 0.959 | 1 |
| Ramets\_late | 0.691 | 1 | 0.959 | 1 |
| cardenolide\_Total | 0.705 | 1 | 0.959 | 1 |
| cardenolide\_6.6 | 0.706 | 1 | 0.959 | 1 |
| Flowered | 0.707 | 1 | 0.959 | 1 |
| log(SLA + 1) | 0.751 | 1 | 0.959 | 1 |
| Liriomyza\_asclepiadis | 0.781 | 1 | 0.959 | 1 |
| flowering\_time\_num | 0.783 | 1 | 0.959 | 1 |
| Herbivory\_mean\_late\_binary | 0.785 | 1 | 0.959 | 1 |
| Pods | 0.796 | 1 | 0.959 | 1 |
| Peduncles | 0.796 | 1 | 0.959 | 1 |
| log(Herbivory\_mean\_late) | 0.827 | 1 | 0.959 | 1 |
| rel\_growth\_rate^(1/3) | 0.900 | 1 | 0.995 | 1 |
| Julian\_oldest\_inflor - 170 | 0.926 | 1 | 0.995 | 1 |
| Dead | 0.964 | 1 | 0.998 | 1 |
| Ramets\_early | 0.999 | 1 | 0.999 | 1 |

# Urban populations & Urbanization = Distance from City Center

| **Variable** | **Original p** | **Bonferroni** | **Benjamini- Hochberg** | **Benjamini- Hochberg- Yekutieli** |
| --- | --- | --- | --- | --- |
| flowering\_time\_num | 0.013 | 0.325 | 0.325 | 1 |
| log(Scar\_length\_cm) | 0.034 | 0.850 | 0.365 | 1 |
| Herbivory\_mean\_early\_binary | 0.068 | 1.000 | 0.365 | 1 |
| mean\_flower\_count | 0.071 | 1.000 | 0.365 | 1 |
| Dead | 0.073 | 1.000 | 0.365 | 1 |
| log(SLA + 1) | 0.094 | 1.000 | 0.392 | 1 |
| log(Herbivory\_mean\_early) | 0.145 | 1.000 | 0.459 | 1 |
| Labidomera\_clivicollis | 0.147 | 1.000 | 0.459 | 1 |
| log(Herbivory\_mean\_late) | 0.196 | 1.000 | 0.504 | 1 |
| LDMC^(1/2) | 0.228 | 1.000 | 0.504 | 1 |
| Flowered | 0.240 | 1.000 | 0.504 | 1 |
| Liriomyza\_asclepiadis | 0.242 | 1.000 | 0.504 | 1 |
| Peduncles^2 | 0.282 | 1.000 | 0.520 | 1 |
| Ramets\_early | 0.291 | 1.000 | 0.520 | 1 |
| rel\_growth\_rate^(1/3) | 0.320 | 1.000 | 0.533 | 1 |
| Total\_Height\_early^(1/3) | 0.409 | 1.000 | 0.639 | 1 |
| Pods | 0.440 | 1.000 | 0.639 | 1 |
| Total\_Height\_late^(1/3) | 0.460 | 1.000 | 0.639 | 1 |
| Overall\_mean | 0.539 | 1.000 | 0.681 | 1 |
| Herbivory\_mean\_late\_binary | 0.545 | 1.000 | 0.681 | 1 |
| Ramets\_late | 0.585 | 1.000 | 0.696 | 1 |
| Julian\_oldest\_inflor - 170 | 0.661 | 1.000 | 0.751 | 1 |
| Monarch\_Quantity\_Observed | 0.886 | 1.000 | 0.906 | 1 |
| Scar\_binary | 0.894 | 1.000 | 0.906 | 1 |
| Latex\_weight\_mg^(1/3) | 0.906 | 1.000 | 0.906 | 1 |

# Urban populations & Urbanization = Urbanization Score

| **Variable** | **Original p** | **Bonferroni** | **Benjamini- Hochberg** | **Benjamini- Hochberg- Yekutieli** |
| --- | --- | --- | --- | --- |
| Pods | 0.001 | 0.025 | 0.025 | 0.095 |
| Peduncles | 0.002 | 0.050 | 0.025 | 0.095 |
| Latex\_weight\_mg^(1/3) | 0.023 | 0.575 | 0.144 | 0.549 |
| flowering\_time\_num | 0.023 | 0.575 | 0.144 | 0.549 |
| log(Scar\_length\_cm) | 0.030 | 0.750 | 0.150 | 0.572 |
| log(SLA + 1) | 0.044 | 1.000 | 0.183 | 0.700 |
| Dead | 0.061 | 1.000 | 0.194 | 0.739 |
| log(Herbivory\_mean\_early) | 0.062 | 1.000 | 0.194 | 0.739 |
| mean\_flower\_count | 0.070 | 1.000 | 0.194 | 0.742 |
| Julian\_oldest\_inflor - 170 | 0.093 | 1.000 | 0.232 | 0.887 |
| log(Herbivory\_mean\_late) | 0.111 | 1.000 | 0.252 | 0.963 |
| Ramets\_early | 0.169 | 1.000 | 0.352 | 1.000 |
| Liriomyza\_asclepiadis | 0.215 | 1.000 | 0.413 | 1.000 |
| Flowered | 0.281 | 1.000 | 0.478 | 1.000 |
| rel\_growth\_rate^(1/3) | 0.287 | 1.000 | 0.478 | 1.000 |
| Total\_Height\_late^(1/3) | 0.348 | 1.000 | 0.497 | 1.000 |
| Labidomera\_clivicollis | 0.355 | 1.000 | 0.497 | 1.000 |
| Total\_Height\_early^(1/3) | 0.363 | 1.000 | 0.497 | 1.000 |
| Ramets\_late | 0.378 | 1.000 | 0.497 | 1.000 |
| log(LDMC) | 0.421 | 1.000 | 0.526 | 1.000 |
| Herbivory\_mean\_late\_binary | 0.445 | 1.000 | 0.530 | 1.000 |
| Overall\_mean | 0.533 | 1.000 | 0.606 | 1.000 |
| Herbivory\_mean\_early\_binary | 0.645 | 1.000 | 0.701 | 1.000 |
| Scar\_binary | 0.911 | 1.000 | 0.949 | 1.000 |
| Monarch\_Quantity\_Observed | 0.951 | 1.000 | 0.951 | 1.000 |