| Response | Sites | Predictor | χ2 | *p* |
| --- | --- | --- | --- | --- |
| Monarch\_Quantity\_Observed | All | Block | 11.223 | 0.011\* |
| Year | 14.023 | <0.001\*\*\* |
| Distance to City Center | 0.677 | 0.411 |
| Urban Only | Distance to City Center | 4.072 | 0.044\* |
| Subtransect | 0.022 | 0.881 |

| Response | Sites | Predictor | χ2 | *p* |
| --- | --- | --- | --- | --- |
| Liriomyza\_asclepiadis | All | Block | 85.575 | <0.001\*\*\* |
| Year | 895.263 | <0.001\*\*\* |
| Distance to City Center | 0.102 | 0.749 |
| Urban Only | Block | 65.728 | <0.001\*\*\* |
| Year | 643.071 | <0.001\*\*\* |
| Distance to City Center | 0.004 | 0.95 |
| Subtransect | 1.224 | 0.269 |

| Response | Sites | Predictor | χ2 | *p* |
| --- | --- | --- | --- | --- |
| Labidomera\_clivicollis | All | Block | 2.971 | 0.396 |
| Year | 15.188 | <0.001\*\*\* |
| Distance to City Center | 0.060 | 0.806 |
| Urban Only | Block | 2.692 | 0.442 |
| Year | 13.440 | <0.001\*\*\* |
| Distance to City Center | 2.735 | 0.098 |
| Subtransect | 0.302 | 0.582 |