| Response | Sites | Predictor | χ2 | *p* |
| --- | --- | --- | --- | --- |
| Monarch\_Quantity\_Observed | All | Block | 11.405 | 0.01\*\* |
| Year | 14.028 | <0.001\*\*\* |
| Urbanization Score | 0.682 | 0.409 |
| Urban Only | Block | 3.841 | 0.279 |
| Year | 3.742 | 0.053 |
| Urbanization Score | 0.358 | 0.55 |
| Subtransect | 0.002 | 0.965 |

| Response | Sites | Predictor | χ2 | *p* |
| --- | --- | --- | --- | --- |
| Liriomyza\_asclepiadis | All | Block | 85.501 | <0.001\*\*\* |
| Year | 895.180 | <0.001\*\*\* |
| Urbanization Score | 0.032 | 0.858 |
| Urban Only | Block | 65.961 | <0.001\*\*\* |
| Year | 642.803 | <0.001\*\*\* |
| Urbanization Score | 0.198 | 0.656 |
| Subtransect | 1.393 | 0.238 |

| Response | Sites | Predictor | χ2 | *p* |
| --- | --- | --- | --- | --- |
| Labidomera\_clivicollis | All | Block | 2.973 | 0.396 |
| Year | 15.251 | <0.001\*\*\* |
| Urbanization Score | 1.534 | 0.215 |
| Urban Only | Block | 2.606 | 0.456 |
| Year | 13.550 | <0.001\*\*\* |
| Urbanization Score | 0.865 | 0.352 |
| Subtransect | 0.719 | 0.396 |