|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model/Parameter | Effect Size | Std. Dev. | 2 | Df | p |
| BQCV Prevalence | - | - | - | - | - |
| Apiary Presence | 1.663 | 0.783 | 3.959 | 1 | **0.047\*** |
| Floral Density | 0.007 | 0.014 | 0.273 | 1 | 0.601 |
| *Bombus* Species | -1.4 | 0.363 | 15.67115 | 1 | **<0.001\*** |
| DWV Prevalence | - | - | - | - | - |
| Apiary Presence | 1.466 | 0.553 | 6.531 | 1 | **0.012\*** |
| Floral Density | 0.023 | 0.008 | 6.025 | 1 | **0.014\*** |
| *Bombus* Species | 0.235 | 0.459 | 0.263 | 1 | 0.608 |
| BQCV Load | - | - | - | - | - |
| Apiary Presence | 0.584 | 0.644 | 0.943 | 1 | 0.331 |
| Floral Density | 0.017 | 0.010 | 2.902 | 1 | 0.0884 |
| *Bombus* Species | -1.065 | 0.246 | 18.662 | 1 | **<0.001\*** |
| DWV Load | - | - | - | - | - |
| Apiary Presence | 1.149 | 2.198 | 1.064 | 1 | 0.302 |
| Floral Density | 0.007 | 0.021 | 0.263 | 1 | 0.608 |
| *Bombus* Species | 0.288 | 2.099 | 0.089 | 1 | 0.765 |
| BQCV Negative Strand | - | - | - | - | - |
| Apiary Presence | 0.5754 | 0.2888 | 4.2648 | 1 | **0.0463\*** |
| *Bombus* Species | -1.3069 | 0.3253 | 23.281 | 1 | **<0.001\*** |
| DWV Negative Strand | - | - | - | - | - |
| Apiary Presence |  |  |  |  |  |
| *Bombus* Species |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model/Parameter | Effect Size | Std. Dev. | 2 | Df | p |
| BQCV Prevalence | - | - | - | - | - |
| # Colonies/1 km | 0.0484 | 0.0706 | 1.1059 | 1 | 0.293 |
| DWV Prevalence | - | - | - | - | - |
| # Colonies/1 km | 0.062 | 0.032 | 4.012 | 1 | **0.045\*** |
| BQCV Load | - | - | - | - | - |
| # Colonies/1 km | - | - | 0.756 | 1 | 0.385 |
| DWV Load | - | - | - | - | - |
| # Colonies/1 km | - | - | 0.839 | 1 | 0.360 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Model/Parameter | Effect Size | Std. Dev. | 2 | Df | p |
| Virus Prevalence on Flowers | - | - | - | - | - |
| *Bombus* Abundance |  |  |  |  |  |
| *Apis* Abundance | 0.09712 | 0.05017 | 10.103 | 1 | **0.00148\*** |
| Virus Species | 0.5040 | 1.01289 | 0.2509 | 1 | 0.6164 |
| DWV Prevalence by *Apis* | - | - | - | - | - |
| *Apis* Abundance | 0.02496 | 0.00356 | 4.212 | 1 | **0.04014\*** |
| *Apis* DWV load | -0.58092 | 0.00394 | 8.0627 | 2 | **0.01775\*** |
| Floral Density | 0.0031 | 0.0031 | 2.6548 | 1 | 0.1032 |