| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Pods: 2021 | Block | 8.599 | **0.035\*** |
| Subtransect | 1.040 | 0.308 |
| Urbanization Score | 2.513 | 0.113 |
| Subtransect x Urbanization Score | 2.398 | 0.122 |

Table 4: Quantify variance explained by transect

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Pods: 2021 | Family | 0.831 | 67.131 | 46.135 | 1 | **<0.001** |
| Pods: 2021 | Population | 1.514 | 74.824 | 0.032 | 1 | 0.429 |

Model: Pods ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + Urb\_score + Transect\_ID:Urb\_score

Urbanization = Urbanization Score

Table 3: Assess how much variance is explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Pods: 2021 | Block | 8.827 | **0.032\*** |
| Subtransect | 0.947 | 0.33 |
| Distance to City Center | 5.496 | **0.019\*** |
| Subtransect x Distance to City Center | 1.364 | 0.243 |

Table 2: Quantify variance explained by transect

| Variable | Group | Variance | PVE | χ2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Pods: 2021 | Family | 0.792 | 66.063 | 46.307 | 1 | **<0.001** |
| Pods: 2021 | Population | 1.469 | 74.259 | 0.005 | 1 | 0.4715 |

Model: Pods ~ Block + (1 | Population) + (1 | Population:Fam\_uniq) + Transect\_ID + City\_dist + Transect\_ID:City\_dist

Urbanization = Distance to the City Center

Table 1: Assess how much variance is explained by transect