Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

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

| Variable | Group | Variance | PVE | Ï‡2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Pods: 2021 | Family | 0.793 | 67.919 | 45.834 | 1 | **<0.001** |
| Population | 1.453 | 76.974 | 0.032 | 1 | 0.4295 |

Table 2: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pods: 2021 | Block | 8.713 | **0.033\*** |
| Subtransect | 0.758 | 0.384 |
| Distance to City Center | 4.789 | **0.029\*** |
| Subtransect x Distance to City Center | 1.345 | 0.246 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

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

| Variable | Group | Variance | PVE | Ï‡2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Pods: 2021 | Family | 0.833 | 68.966 | 45.676 | 1 | **<0.001** |
| Population | 1.494 | 77.461 | 0.079 | 1 | 0.389 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pods: 2021 | Block | 8.555 | **0.036\*** |
| Subtransect | 0.825 | 0.364 |
| Urbanization Score | 2.193 | 0.139 |
| Subtransect x Urbanization Score | 2.103 | 0.147 |