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: 2022 | Family | NA | NA | 0 | 1 | 0.5 |
| Population | NA | NA | 0 | 1 | 0.5 |

Table 2: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pods: 2022 | Block | 13.554 | **0.004\*\*** |
| Subtransect | 0.654 | 0.419 |
| Distance to City Center | 0.003 | 0.956 |
| Subtransect x Distance to City Center | 0.110 | 0.74 |

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: 2022 | Family | NA | NA | 0 | 1 | 0.4995 |
| Population | NA | NA | 0 | 1 | 0.5 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Pods: 2022 | (Intercept) | 38.659 | **<0.001\*\*\*** |
| Block | 13.960 | **0.003\*\*** |
| Subtransect | 6.346 | **0.012\*** |
| Urbanization Score | 5.175 | **0.023\*** |
| Subtransect x Urbanization Score | 7.212 | **0.007\*\*** |