Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

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

| Variable | Group | Variance | PVE | Ï‡2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Peduncles: 2020 | 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 |
| --- | --- | --- | --- |
| Peduncles: 2020 | Block | 0.824 | 0.844 |
| Subtransect | 1.666 | 0.197 |
| Distance to City Center | 0.613 | 0.434 |
| Subtransect x Distance to City Center | 0.575 | 0.448 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

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

| Variable | Group | Variance | PVE | Ï‡2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Peduncles: 2020 | Family | NA | NA | 0 | 1 | 0.5 |
| Population | NA | NA | 0 | 1 | 0.5 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Peduncles: 2020 | Block | 0.849 | 0.838 |
| Subtransect | 1.930 | 0.165 |
| Urbanization Score | 1.678 | 0.195 |
| Subtransect x Urbanization Score | 0.013 | 0.911 |