Table 1: Assess how much variance is explained by transect

Urbanization = Distance to the City Center

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

| Variable | Group | Variance | PVE | p |
| --- | --- | --- | --- | --- |
| Ramets after flowering: 2020 | Family | NA | NA | 0.5 |
| Population | NA | NA | 0.5 |

Table 2: Quantify variance explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Ramets after flowering: 2020 | Block | 5.465 | 0.141 |
| Subtransect | 0.051 | 0.822 |
| Distance to City Center | 4.890 | **0.027\*** |
| Subtransect x Distance to City Center | 0.838 | 0.36 |

Table 3: Assess how much variance is explained by transect

Urbanization = Urbanization Score

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

| Variable | Group | Variance | PVE | p |
| --- | --- | --- | --- | --- |
| Ramets after flowering: 2020 | Family | NA | NA | 0.5 |
| Population | NA | NA | 0.5 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Ramets after flowering: 2020 | Block | 6.614 | 0.085 |
| Subtransect | 0.003 | 0.96 |
| Urbanization Score | 0.086 | 0.769 |
| Subtransect x Urbanization Score | 0.823 | 0.364 |