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: 2019 | Family | NA | NA | **0.0405** |
| Population | 0.03 | 5.982 | 0.5 |

Table 2: Quantify variance explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Ramets after flowering: 2019 | Block | 9.222 | **0.026\*** |
| Subtransect | 0.178 | 0.673 |
| Distance to City Center | 1.166 | 0.28 |
| Subtransect x Distance to City Center | 0.040 | 0.842 |

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: 2019 | Family | NA | NA | **0.0335** |
| Population | 0.031 | 6.258 | 0.5 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | χ2 | p |
| --- | --- | --- | --- |
| Ramets after flowering: 2019 | Block | 8.718 | **0.033\*** |
| Subtransect | 0.171 | 0.679 |
| Urbanization Score | 0.216 | 0.642 |
| Subtransect x Urbanization Score | 0.311 | 0.577 |