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 | Ï‡2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Ramets after flowering: 2019 | Family | NA | NA | 3.175 | 1 | **0.0375** |
| Population | 0.031 | 6.13 | 0.000 | 1 | 0.5 |

Table 2: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Ramets after flowering: 2019 | Block | 9.237 | **0.026\*** |
| Subtransect | 0.177 | 0.674 |
| Distance to City Center | 1.154 | 0.283 |
| Subtransect x Distance to City Center | 0.039 | 0.844 |

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 | Ï‡2 | df | p |
| --- | --- | --- | --- | --- | --- | --- |
| Ramets after flowering: 2019 | Family | NA | NA | 3.484 | 1 | **0.031** |
| Population | 0.032 | 6.406 | 0.000 | 1 | 0.5 |

Table 4: Quantify variance explained by transect

| Variable | Predictor | Ï‡2 | p |
| --- | --- | --- | --- |
| Ramets after flowering: 2019 | Block | 8.734 | **0.033\*** |
| Subtransect | 0.170 | 0.68 |
| Urbanization Score | 0.217 | 0.641 |
| Subtransect x Urbanization Score | 0.308 | 0.579 |