| **Question** | **Model** | **Table** | **Group** | **Probability** | **p** |
| --- | --- | --- | --- | --- | --- |
| 1 | Trait ~ (1 | Population/Family) + Block | 1 | Population | 0.115 | 0.139 |
| Family | 0.308 | <0.001 |
| Trait ~ (1 | Population/Family) + Block + Distance to City Center | 2 | Population | 0.115 | 0.139 |
| Family | 0.308 | <0.001 |
| Trait ~ (1 | Population/Family) + Block + Urbanization Score | 3 | Population | 0.115 | 0.139 |
| Family | 0.308 | <0.001 |
| 2 | Trait ~ (1 | Population/Family) + Block + Distance to City Center\*Transect | 1 | Population | 0.000 | 0.639 |
| Family | 0.423 | <0.001 |
| Trait ~ (1 | Population/Family) + Block + Urbanization Score\*Transect | 2 | Population | 0.000 | 0.639 |
| Family | 0.423 | <0.001 |

Binomial expansion test results