Supplementary Materials for Koski & Galloway 2020, “Temperature and historical colonization shape geographic variation in petal reflectance and coloration”

**Supplementary Table 1**: MANOVA results testing the effect of latitude and longitude on petal color perceived by *Osmia rufa.*

| Effect      | Pillai's Trace | F_{2,20}  | P       |
|-------------|----------------|-----------|---------|
| Latitude    | 0.186          | 2.281     | 0.128   |
| Longitude   | 0.536          | **11.548**| <0.001  |

**Supplementary Table 2**: Results from MANOVA testing the effect of temperature, precipitation, pollinator visitation, and post-glacial colonization on petal color perceived by *Osmia rufa.*

| Effect                | Pillai's Trace | F_{2,17} | P       |
|-----------------------|----------------|----------|---------|
| Summer Temp.          | 0.148          | 1.477    | 0.256   |
| Summer Precipitation  | 0.142          | 1.406    | 0.272   |
| Small bee visitation  | 0.263          | 3.038    | 0.074   |
| *Bombus* visitation   | 0.060          | 0.540    | 0.593   |
| Km from Refugium      | **0.600**      | **12.760**| <0.0001 |
Supplementary Figure 1: The relationship between ineffective small bee visitation rate (*Megachile campanulae* + various other small solitary bee species) and flower color in hexagonal color space of *Bombus impatiens*.