**Genetic effects**

**A** $F_{\text{Genetic}-1,3} = 12.77$ ; $P = 0.037$

Residuals(oviposition preference) vs Test environment (Blackberry, Cherry, Strawberry)

**B** $F_{\text{Genetic}-1,3} = 2.26$ ; $P = 0.23$

Residuals(oviposition stimulation) vs Test environment

**C** $F_{\text{Genetic}-1,3} = 37.68$ ; $P = 0.0087$

Residuals(egg-to-adult viability) vs Test environment

**Fly populations from:**
- Cherry
- Strawberry
- Blackberry

**Plastic effects**

**D** $F_{\text{Plastic}-1,3} = 3.54$ ; $P = 0.16$

Residuals(oviposition preference) vs Test environment

**E** $F_{\text{Plastic}-1,3} = 1.37$ ; $P = 0.33$

Residuals(oviposition stimulation) vs Test environment

**F** $F_{\text{Plastic}-1,3} = 2.16$ ; $P = 0.24$

Residuals(egg-to-adult viability) vs Test environment