Genetic effects

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

B. $F_{\text{Genetic}-1,3} = 1.38 ; P = 0.32$

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

Non−genetic effects

D. $F_{\text{Non−genetic}-1,3} = 3.54 ; P = 0.16$

E. $F_{\text{Non−genetic}-1,3} = 1.24 ; P = 0.35$

F. $F_{\text{Non−genetic}-1,3} = 2.16 ; P = 0.24$

Panels A, D: Residuals(oviposition preference) vs Test environment
Panels B, E: Residuals(oviposition stimulation) vs Test environment
Panels C, F: Residuals(egg−to−adult viability) vs Test environment

Test environment categories: Blackberry, Cherry, Strawberry

Fly populations from:
Cherry
Strawberry
Blackberry