

CWSF 2006 - Saguenay, Québec



Celina McLeod

Flies' Eyes and DNA

Division: Biotechnology

Category: Junior

Region: Bluewater

City: Tara, ON

School: Arran-Tara E.S.

Abstract: This experiment examined whether differences in eye colour between wild and white-eyed *Drosophila melanogaster* occur due to DNA differences. Gel electrophoresis was used to study the DNA samples of the two types of *Drosophila*. It was found that white-eyed *Drosophila* have an insertion of DNA called Doc retrotransposon. This proved that one could differentiate between various organisms within a species by looking at their DNA.