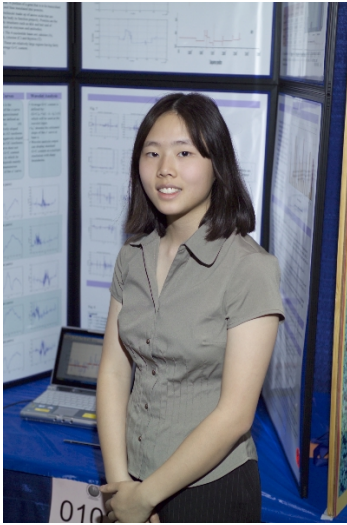


## CWSF 2006 - Saguenay, Québec



### Jennifer Kwan

#### Isochore Analysis of Arabidopsis thaliana Chromosomes

**Division:** Biotechnology

**Category:** Intermediate

**Region:** Windsor

**City:** Windsor, ON

**School:** Massey S.S.

**Abstract:** This project studies a wavelet denoising technique to reveal distinct guanine (G) and cytosine (C) regions within the Arabidopsis thaliana plant chromosomes. This technique provides a clear indication of gene boundaries, some of which agree with existing genes, and nearly all identified gene regions show an above average G+C content.