

# CWSF 2010 - Peterborough, Ontario



## Patricia Johnsson, Sophie Bérubé

### Sizing Up Your Pup

**Division:** Earth & Environmental Sciences

**Category:** Intermediate

**Region:** Montreal

**City:** Montreal-West, QC, Westmount, QC

**School:** The Study

**Abstract:** We wanted to know if the size of a Portuguese Water Dog could be predicted by reading its DNA. After some research, we found that marker FH2295 is responsible for size variation in the dogs. We sequenced the region with the marker and linked our observations with measurements of the dogs.

### Biographies

Patricia - I am the youngest of three daughters and my mother is originally Polish and my father Swedish. When holiday season comes by, we celebrate Christmukah. I speak three languages fluently, Swedish, English and French and I am an avid reader, artist, athlete and, of course, scientist. Since I have such a wide variety of interests, I have no idea what my future plans are. I hope to pursue a challenging and interesting career path that will let me continue to learn and grow as a person.

Sophie - My name is Sophie Bérubé, I am fifteen years old and currently in Sec.IV. I am an only child and bilingual. The language I speak at home is French but I later went to school in English allowing me to become fluent in both languages. Some of my interests include debating and public speaking, and of course, science! I also enjoy playing tennis and volleyball. With respect to the sciences, I am interested in studying animals, which is the topic of our project. I am also interested in the domain of robotics. This past winter our school robotics team participated in the Canadian Robotics Competition and I found the process of conceptualizing bui...

### Awards

### Value

Honourable Mention - Biotechnology & Pharmaceutical Sciences Intermediate Sponsor: Youth Science Canada	\$100
<b>Total</b>	<b>\$100</b>