# CALIFORNIA STATE SCIENCE FAIR
## 2013 PROJECT SUMMARY

**Name(s)**
Anhyo Jeong

**Project Number**
**J2210**

**Project Title**
## Does the Mendelian Ratio Really Work?

**Abstract**

**Objectives/Goals**
I wanted to see if The Mendelian ratio really worked.

**Methods/Materials**
I used C. elegans as my test subject. First I get male and hermaphrodite C. elegans that have been mutated. I mated them and picked four hermaphrodite offsprings and made them self fertilize. After that I took the self fertilized eggs and looked for the mutated genes that the very first generation had.

**Results**
I was able to conclude that the Mendelian ratio really worked.

**Conclusions/Discussion**
I proved that the Mendelian ratio worked and that I can tell if a mutation was a dominant one or a recessive one by doing this experiment.

**Summary Statement**
My project is about the Mendelian ratio.

**Help Received**
Used lab equpment at University of California, Santa Barbara under the supervision of Dr. Rothman and Dr. Jeong.