Fruit Fly Genetics Experiment Work Sheet

- Fill all the blanks with information from the outcome screen on the web application
- Draw the Punnett squares with male genotypes on the left and female genotypes on the top.
- Every box has 25% probability. Depending on the offspring produced, divide the number of offspring into different types and calculate number of each type of traits.

Generation Number: **Number of offspring:**

Cross Type:

*Fill parents 1 for mono cross, 1&2 for di cross and 1, 2&3 for tri cross.

Cross Type	Phenotype Selected	Dominant Allele	Recessive allele
Parents 1			
Parents 2			
Parents 3			

Punnett Square Prediction:
List down all the combination possible for selected genotypes:-

Draw and fill Punnett square:-
* For instruction on how to fill Punnett squares, see instruction page on web application.

List down your outcome from Punnett square:

Does your results match with the data from the experiment?   *Yes / No*

If no, what do you think is the reason for it?