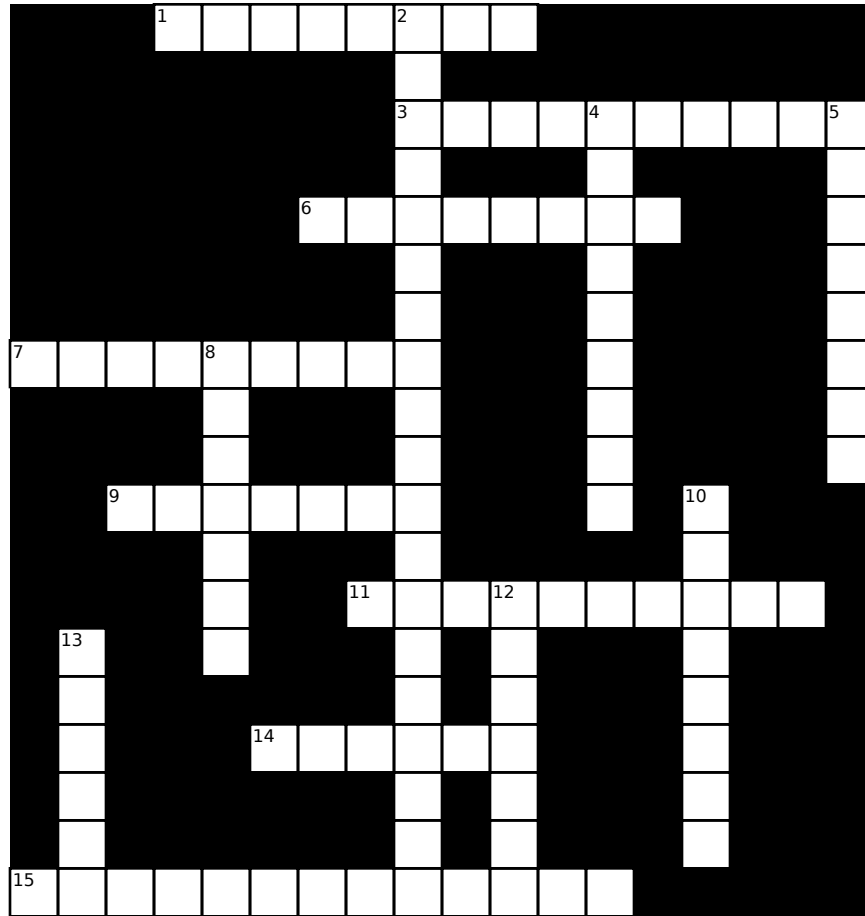


# Zebrafish F3 Screen

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## Across

- 1 Can be induced by gamma-irradiation.
- 3 Type of mutation where the alleles show equal expression of a phenotype.
- 6 Type of mutation where the allele or phenotype is expressed in either the homozygous or the heterozygous state.
- 7 Type of mutation where the allele or phenotype is expressed in only the homozygous state.
- 9 Type of genetic screen where you mutagenize zebrafish and then screen the fish carrying the mutation for defects.
- 11 Tool used to sort zebrafish progeny (two words).
- 14 What sex has a larger belly with a silver-blue streak?
- 15 Type of analysis used to test the null hypotheses (\_\_\_-\_\_\_ \_\_\_).

## Down

- 2 Type of mutation where the phenotype of one allele is not completely dominant over another allele and the heterozygous form exhibits a phenotype that shows traits of both homozygous forms of the alleles (two words).
- 4 Type of genetics used to observe the F3 screen.
- 5 Tank used to move adult zebrafish to the mating tanks.
- 8 Separating the embryos based on whether they have a wild-type or mutant phenotype.
- 10 Tank used for the zebrafish that has a bottom reservoir and greenery.
- 12 Type of genetic screen where you start with a gene of interest and try to find what it does by looking at the phenotype when the gene is mutated.
- 13 All of the embryos produced from one single pair mating between adult zebrafish in the F2 generations.