You need to identify the dominant mutation.

If the mutated phenotype is dominant, then the wild-type phenotype is recessive.

If you cross a wild-type individual with a mutated individual, you will see the mutated phenotype in the F1. This is because the progeny will be carrying at least one dominant mutated allele that will hide the expression of the recessive form. So even if the progeny is heterozygous for the trait, they will express the mutation.

If the mutation is not dominant, then the whole progeny will be wild-type.

Let us analyze an example.

- wild-type trait \rightarrow yellow eyes, rr
- mutated trait \rightarrow red eyes, RR or Rr

Cross: a mutated individual with wild-type individual

Option 1:

F1) 100% Rr, heterozygous mutated individuals with red eyes.

Option 2:

F1) 50% Rr, heterozygous mutated individuals with red eyes.

50% rr, homozygous recessive expressing the wild-type phenotype

In both options, the mutated phenotypes appear in the F1. You do not need to perform another cross to make it appear in F2.

If the mutation were recessive, it would probably appear in the F2.