| **Mutation** | **Inheritance pattern** | **Genotypes possible for wild-type phenotypes** | **Genotypes possible for mutants** |
| --- | --- | --- | --- |
| vestigial wings | recessive | +/+; +/*vg* | *vg*/*vg* |
| curly wings | dominant | +/+ | *Cy*/+; *Cy*/*Cy* |
| eyeless | recessive | +/+; +/*ey* | *ey*/*ey* |
| ebony body color | recessive | +/+; +/*e* | *e*/*e* |
| white eyes | X-linked | Female: X+/X+; X+/Xw Male: X+/Y | Female: Xw/Xw Male: Xw/Y |

*The genetics of fruit flies—inheritance patterns and genotypes*

| **Phenotype** | **Inheritance Pattern of Mutation** | **Possible Genotypes** |
| --- | --- | --- |
| wild type | N/A | +/+, or +/? for recessive mutations |
| vestigial wings | recessive | *vg/vg* |
| curly wings | dominant | Cy/+; Cy/Cy |
| eyeless (reduced eye size) | recessive | *ey/ey* |
| ebony body color | recessive | *e/e* |
| white eyes | X-linked | Female: Xw/Xw Male: Xw/Y |