

A Wild type fruit fly (heterozygous for gray body and normal wings) is mated with a black fly with vestigial wings.

OFFSPRING:

778- wild type

785- black-vestigial

158- black-normal wings

162- gray body-vestigial wings

What is the recombination frequency between these genes?

A Wild type fruit fly (heterozygous for gray body and normal wings) is mated with a black fly with vestigial wings.

OFFSPRING:

778- wild type

785- black-vestigial

158- black-normal wings

162- gray body-vestigial wings

What is the recombination frequency between these genes?

A Wild type fruit fly (heterozygous for gray body and red eyes) is mated with a black fly with purple eyes.

OFFSPRING:

721- gray body/red eyes

751- black body/purple eyes

49- gray body/purple eyes

45- black body/red-eyes

What is the recombination frequency between these genes?

A Wild type fruit fly (heterozygous for gray body and red eyes) is mated with a black fly with purple eyes.

OFFSPRING:

721- gray body/red eyes

751- black body/purple eyes

49- gray body/purple eyes

45- black body/red-eyes

What is the recombination frequency between these genes?

A Wild type fruit fly (heterozygous for normal bristles and red eyes) is mated with a spineless bristle fly with sepia eyes.

OFFSPRING:

648- normal bristles/red eyes

681- spineless bristles/sepia eyes

72- normal bristles/sepia eyes

83- spineless bristles/red-eyes

What is the recombination frequency between these genes?

A Wild type fruit fly (heterozygous for normal bristles and red eyes) is mated with a spineless bristle fly with sepia eyes.

OFFSPRING:

648- normal bristles/red eyes

681- spineless bristles/sepia eyes

72- normal bristles/sepia eyes

83- spineless bristles/red-eyes

What is the recombination frequency between these genes?