Dm ime4 mutant/TM3^{Sb} X Dm ime4 mutant/TM3^{Sb}

1/4 Dm ime4 +/Heterozygous
(Stubble)

1/4 Dm ime4 +/Heterozygous
(Stubble)

1/4 Dm ime4 -/Heterozygous
(Stubble)

(Stubble)

But TM3^{Sb}/TM3^{Sb} Homozygous balancer Dies before adulthood

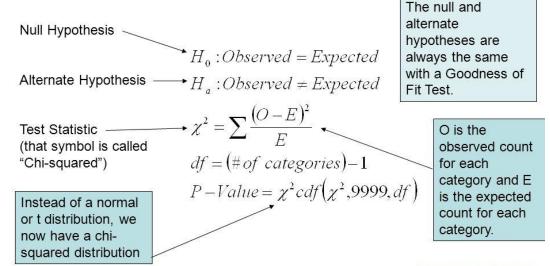


Stubble

The corrected ratios are 2/3 heterozygous, 1/3 homozygous *Dm ime4* mutants

Adults: 1/3 expected to be Dm ime4 -/- Homozygous. E.g. out of 120 adults, 40 are expected to be homozygous Dm ime4 mutant.

Chi-square Goodness of Fit Test Formulas



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