

## Instructors notes for Black-body investigation

Black body is a simple Mendelian trait that is recessive to the wild-type body color (yellow with black stripes). Students should see the trait disappear in a cross of black-body with wt and then reappear in the F<sub>2</sub> in  $\frac{1}{4}$  of the progeny. A test cross of the F<sub>1</sub> monohybrids should give a 1:1 ratio of wt:bl. Student reports should look very similar to the sample report only using bl and bl<sup>+</sup> instead of pr and pr<sup>+</sup>. Most students should be able to do this, the main problem for students is understanding how to write the genotypes.