

Genetics Quiz #5

Key

Design a Three-Points Testcross base on the following:

aB^+c / aB^+c

- a) List the Parental phenotypes
- b) Subject's genotype
- c) Tester's genotype

Parental Phenotypes

aB^+c & a^+Bc^+

P $\frac{aB^+c}{aB^+c} \times \frac{a^+Bc^+}{a^+Bc^+} \rightarrow F_1 \frac{aB^+c}{a^+Bc^+}$

Subject $\frac{aB^+c}{a^+Bc^+} \times \frac{aB^+c}{aB^+c}$ Tester

Genetics Quiz #5a

Key.

Design a Three-Points Testcross base on the following:

AbC^+ / AbC^+

- a) List the Parental phenotypes
- b) Subject's genotype
- c) Tester's genotype

P $\frac{AbC^+}{Abc^+} \times \frac{A^+b^+C}{A^+b^+C} \rightarrow F_1$ $\frac{Abc^+}{A^+b^+C}$

Parental phenotypes Abc^+ & A^+b^+C

Subject $\frac{Abc^+}{A^+b^+C} \times$ Tester $\frac{A^+bc^+}{A^+bc^+}$