

Modeling Multiple-Allele Genes in NetLogo

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What we did:

- We decided to investigate how the color gene is carried through generations if it is controlled by four alleles.
- We developed a model in NetLogo.
- We used the model to see what would happen with different starting populations.

Our Genes

- The gene for color in our model has four variations, or alleles: B, b, R, r.
- The capital letters represent dominant forms, and lower case, recessive.
- Dominant forms give darker colors.
- There are ten different pairings possible: BB, Bb, bb, Br, br, RR, Rr, rr Rb, RB.
