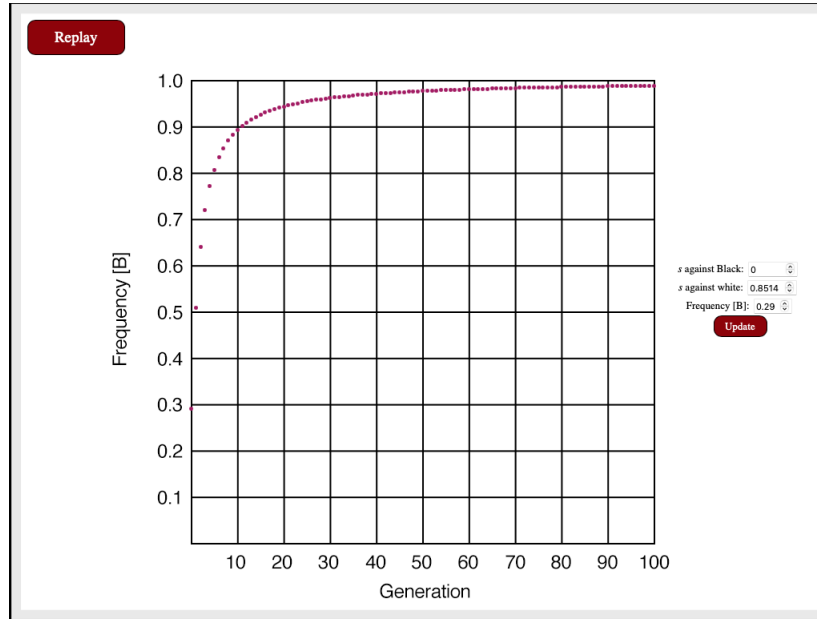


Moth Evolution Simulation Lab Report

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1. After the conclusion of this simulation, log your results. Start this by attaching a screenshot of your graph. In which direction did the allele frequencies change?



- The frequency of the black allele in the population after 100 generations increased up to almost 1.
2. Explain the mechanism by which these changes occurred. What is this mechanism called?
 - Microevolution is caused only by five processes: selection, mutation, non-random mating, genetic drift, and isolation.
 3. Which of the three genotypes do you think would be most fit in a rural area, far from cities, such as the woods in the far South of England?
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 4. Which of the three genotypes do you think would be most fit in the woods near industrial cities?
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 5. What do you think happened after England passed clean air laws?
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 6. Play around with the simulation and change the “selection against Black, selection against White.” What do you notice?
 - It has an inverse relationship.