



Canis lupus lycaon DNA Inquiry Sheet

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Examine your graph for the distribution of POI using the Algonquin Park population and the Texas Coyote population to answer the following questions.

1. What populations are closest in distribution of genetic material?
2. What does this suggest about these populations?
3. If the theory that Algonquin Park wolves and Red Wolves have hybridized with Coyotes where should the Algonquin Park and Red Wolf data fall?
4. If the data does not support this theory what does that suggest about the Algonquin Park and Red Wolf populations?

Examine your graph for the distribution of POI using the Algonquin Park population and the North West Territories population to answer the following questions.

1. What populations are closest in distribution of genetic material?
2. What does this suggest about the populations?
3. Which populations fall within or very close to the Gray Wolf population?
4. Which populations cluster away from the Gray Wolf population?
5. What does this suggest about the genetic make up of these populations?
6. If the theory that Eastern Canadian Wolves are a sub-species of the Gray Wolf, where should the Algonquin Park data fall?
7. If the data does not support this theory what does this suggest about the Eastern Canadian Wolf population?



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