

### Case 9, Challenge 3: Nosy Argument

Use this sheet to keep track of the drakes you breed and the offspring that result from each mating. Some of these will serve as evidence to support the character claim you have selected.

Advice for Apprentices

- Remember that you're only concerned with the nose spike trait; ignore the other traits.
- You can use the magnifying glass to see the alleles of any drake in the parent pool, breeding pen, or stable.
- Try saving offspring in the stable and using them to breed.

#### ***Breed #1***

<b>Drake</b>	<b>Version of nose spike trait shown</b>	<b>Alleles for nose spike trait</b>
Mother		
Father		

Use the Stats tab and magnifying glass to complete this table.

<b>Offspring Type</b>	<b>Number</b>	<b>Alleles for nose spike trait</b>
Females with nose spike		
Females without nose spike		
Males with nose spike		
Males without nose spikes		

What does this breed tell me about how offspring inherit the nose spike trait?

What offspring will you save for future breeding and why? (For example, "I will save a female with a nose spike with [tell which alleles she has], because \_\_\_\_\_.)

#### ***Breed #2***

<b>Drake</b>	<b>Version of nose spike trait shown</b>	<b>Alleles for nose spike trait</b>
Female		
Male		

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Use the Stats tab and magnifying glass to complete this table.

Offspring Type	Number	Alleles for nose spike trait
Females with nose spike		
Females without nose spike		
Males with nose spike		
Males without nose spikes		

What does this breed tell me about how offspring inherit the nose spike trait?

What offspring will you save for future breeding and why? (For example, "I will save a female with a nose spike with [tell which alleles she has], because \_\_\_\_\_.)

**Breed #3**

Drake	Version of nose spike trait shown	Alleles for nose spike trait
Female		
Male		

Use the Stats tab and magnifying glass to complete this table.

Offspring Type	Number	Alleles for nose spike trait
Females with nose spike		
Females without nose spike		
Males with nose spike		
Males without nose spikes		

What does this breed tell me about how offspring inherit the nose spike trait?

What offspring will you save for future breeding and why? (For example, "I will save a female with a nose spike with [tell which alleles she has], because \_\_\_\_\_.)

***\*If you need to do more breeding, use more paper to continue keeping track of your work as you have been.***