

Name: \_\_\_\_\_

## “Husky Love” Data Collection Sheet

Your First Husky's Phenotype (Traits) - P	<b>P:</b> <u>          </u> X <u>          </u> Tag ID #      Tag ID #	Your Mate's Phenotype (Traits) - P  Owner's Name:
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Initial identification and description of the four inherited phenotypes (traits):

- 1.
- 2.
- 3.
- 4.

Your F1 Husky's Phenotype	<b>F1:</b> <u>          </u> X <u>          </u> Tag ID #      Tag ID #	Your Mate's Phenotype - F1  Owner's Name:
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offspring from your previous cross      your chosen mate

Refine and/or correct your identification and description of the four inherited phenotypes:

- 1.
- 2.
- 3.
- 4.

Which traits will you look for in your F1 mate? Why?

Your F2 Husky's Phenotype	<b>F2:</b> <u>          </u> X <u>          </u> Tag ID #            Tag ID #	Your Mate's Phenotype - F2  Owner's Name:
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Which traits will you look for as you select your F2 mate? Why?

Did the results of the F1 cross give you any useful information that helped you to select your mate for this cross?

Your F3 Husky's Phenotype	<b>F3:</b> <u>          </u> X <u>          </u> Tag ID #            Tag ID #	Your Mate's Phenotype - F3  Owner's Name:
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Did the previous cross provide any evidence to support a particular inheritance pattern for each trait? If so, what is that evidence?

Which traits did you look for in your F3 mate? Why?

Your F4 Husky's Phenotype	<b>F4:</b> <u>          </u> X <u>          </u> Tag ID #            Tag ID #	Your Mate's Phenotype - F4  Owner's Name:
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Did the previous cross provide any evidence to support a particular inheritance pattern for each trait? If so, what is that evidence?

Which traits did you look for in your F4 mate? Why?

Your F5 Husky's Phenotype	<b>F5:</b> <u>          </u> X <u>          </u> Tag ID #            Tag ID #	Your Mate's Phenotype - F5  Owner's Name:
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Did the previous cross provide any evidence to support a particular inheritance pattern for each trait? If so, what is that evidence?

Which traits did you look for in your F5 mate? Why?

Your Husky's Phenotype - F6	<b>F6:</b> <u>          </u> X <u>          </u> Tag ID #            Tag ID #	Your Mate's Phenotype - F6  Owner's Name:
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Did the previous cross provide any evidence to support a particular inheritance pattern for each trait? If so, what is that evidence?

Which traits did you look for in your F6 mate? Why?

Your Husky's Phenotype - F7	<b>F7:</b> <u>          </u> X <u>          </u> Tag ID #            Tag ID #	Your Mate's Phenotype - F7  Owner's Name:
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Did the previous cross provide any evidence to support a particular inheritance pattern for each trait? If so, what is that evidence?

Which traits did you look for in your F7 mate? Why?

**Your Final Husky's Phenotype - F8**

Did your crosses provide enough evidence to identify the inheritance pattern for each trait? If so...great! If not, what more information do you need? How could you obtain that information?

**Conclusion**

Describe the four inherited phenotypes and identify their pattern of inheritance with supporting evidence.

Description of Phenotype	Pattern of Inheritance	Evidence From Crosses
1.		
2.		
3.		
4.		