

3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

### Flying M's Modern Day Warrior

Submitted By

Owned By

## Subject Dog

**Name:** Flying M's Modern Day Warrior  
**Breed:** Miniature American Shepherd  
**Phenotype:** Black Tri  
**Sex:** Male  
**Birth:** 04/20/2023

**Lab Reference #:** 875647  
**Sample Date:** 12/23/2024  
**Research Date:** 12/23/2024  
**Microchip:** 956000015123517  
**American Kennel Club:** DN76312101

## Disorder Results(10 of 21)

CD	n/n	Clear: Dog is negative for the mutation associated with Cone Degeneration.
CDDY	N/N	Clear: Dog is negative for the mutation associated with CDDY.
CDPA	N/N	Clear: Dog is negative for the CDPA mutation.
CEA	n/n	Negative: Dog is negative for the mutation associated with Collie Eye Anomaly.
CMR1	n/n	Clear: Dog is negative for the mutation associated with CMR1.
DM	n/n	Clear: Dog is negative for mutation associated with Degenerative Myelopathy.
HC	n/n	Clear: Dog is negative for the HSF4-HC gene mutation associated with bilateral posterior cataracts.
HUU	n/n	Clear: Dog is negative for the mutation associated with Hyperuricosuria.
MDR1	n/n	Clear: Dog is negative for the mutation associated with MDR1.
PRA-prcd	n/n	Negative: Dog is negative for the mutation associated with prcd-PRA.



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#### Color Results(5 of 21)

A-Locus	at/at	Dog has two copies of the gene causing tan points.
B-Locus	B/b	Dog carries one copy of the gene responsible for chocolate/brown coloration
D-Locus	D/D	Negative: Dog is negative for the mutation associated with a diluted coat color.
E-Locus	E/E	Dog is negative for cream/yellow and negative for mask.
K-Locus	n/n	Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.

#### Pattern Results(2 of 21)

Merle	n/n	Clear: Dog is negative for the mutation associated with merle.
S-Locus	n/n	Negative: Dog is negative for the S-Locus. No white spotting will be present.

#### Trait Results(4 of 21)

Curl 1&2	n/n	The dog is negative for the hair curl allele. The dog will have non-curly hair, and will always pass on the allele responsible for non-curly hair to any offspring
Furnishings	n/n	Non-Furnished: Dog is negative for the furnishings mutation.
Hair Length (1-5)	I <sup>1</sup> I <sup>1</sup>	Two copies of the long-hair allele, dog will have longer than average hair per the breed standard.
Shedding	SD/SD	Dog has two copies of the shedding allele. The dog will have a higher propensity towards shedding.

# Animal Disease Diagnostic Laboratory

Purdue University, 406 S. University Street, West Lafayette, IN 47907-2065

Phone: (765)494-7440 Fax (765)494-9181 Email: addl@purdue.edu

Web: <http://www.addl.purdue.edu>

**ADDL Case #:** A24-12934

**Other ID:**

**Date Received:** 1/19/2024

<b>Submitter</b>	<b>Premises</b>	<b>Owner</b>
PURDUE CANINE GENETICS LAB 625 HARRISON STREET WEST LAFAYETTE, IN 47907	DOG INFO FLYING M'S MODERN DAY WARRIOR 04/20/2023 DN76312101 - AKC 956000015123517	FLYING M MINIATURE AMERICANS

<b>Vet Phone:</b>	<b>Species:</b> Canine	<b>Sex:</b> Male
<b>Vet Fax:</b>	<b>Breed:</b> Miniature American Shepherd	<b>Age:</b> 8 Months
<b>Premise ID:</b> DOG INFO		
<b>Tests Requested in:</b> CanineG		

Test	Ordered	Status	Completed
Neuroaxonal Dystrophy	1/22/2024	Complete	1/22/2024
Non-HSF4 Hereditary Cataracts	1/22/2024	Complete	1/22/2024

## Owner Report

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### Canine Genetics by Dr. Rebecca Wilkes, Section Head

The following tests were performed using PCR.

Animal ID	Specimen	Organism	Result
SAWYER	Cheek Swab	Neuroaxonal Dystrophy	Clear (N/N)
		Non-HSF4 Hereditary Cataracts	Clear (N/N)