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3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

Hailey

### Subject Dog

**Name:** Quinn**Breed:** French Bulldog**Phenotype:** Blue Merle**Sex:** Female**Birth:** 10/19/2023**Lab Reference #:** 790319**Sample Date:** 01/11/2024**Research Date:** 01/11/2024**Microchip:** 900263000010223**American Kennel Club:** NP87718506

### Disorder Results(6 of 19)

CMR1	n/n	Clear: Dog is negative for the mutation associated with CMR1.
CY3- var. 2	n/n	Dog is negative for the variant linked to cystinuria in bulldogs.
CY3- var. 3	n/n	Dog is negative for variant somewhat linked to cystinuria in bulldogs.
DM	n/DM	Heterozygous: Dog carries one copy of the mutation associated with Degenerative Myelopathy. In some breeds, there is a low risk of the dog developing the disorder
HUU	n/n	Clear: Dog is negative for the mutation associated with Hyperuricosuria.
JHC	n/n	Clear: Dog is negative for the mutation associated with Juvenile Hereditary Cataracts.





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### Color Results(7 of 19)

A-Locus	at/a	Dog has tan points and carries recessive black.
Albinism	n/n	Dog is negative for the allele causing albinism in some small breeds.
B-Locus	B/b	Dog carries one copy of the gene responsible for chocolate /brown coloration
Cocoa	n/co	Dog carries one copy of the mutation associated with chocolate coat color in the French Bulldog.
D-Locus	d/d	Homozygous: Dog has two copies of the d1 mutation associated with a diluted coat color. The dog's base coat will be diluted.
E-Locus	EM/e	Dog carries one copy of cream/yellow and has one copy of 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 19)

Merle	n/M	Heterozygous: Dog has one copy of the merle allele
S-Locus	n/n	Negative: Dog is negative for the S-Locus. No white spotting will be present.

### Trait Results(4 of 19)

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)	L/l <sup>4</sup>	Dog carries one copy of the l4 long hair allele.
Shedding	n/n	Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.