

3382 Capital Circle NE  
Tallahassee, FL 32308

## Genetic Testing Report

Sam

### Submitted By

### Owned By

### Subject Dog

**Name:** Sam  
**Breed:** French Bulldog  
**Phenotype:** Blue Merle Tan  
**Sex:** Male  
**Birth:** 11/09/2022

### Disorder Results(6 of 6)

|             |      |  |
|-------------|------|--|
| 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.   |

**Color Results(7 of 19)**

|          |             |  |
|----------|-------------|--|
| A-Locus  | <b>at/a</b> | Dog has tan points and carries recessive black.  |
| Albinism | <b>n/n</b>  | Dog is negative for the allele causing albinism in some small breeds.  |
| B-Locus  | <b>B/b</b>  | Dog carries one copy of the gene responsible for chocolate /brown coloration   |
| Cocoa    | <b>n/co</b> | Dog carries one copy of the mutation associated with chocolate coat color in the French Bulldog.                             |
| D-Locus  | <b>d/d</b>  | 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  | <b>EM/e</b> | Dog carries one copy of cream/yellow and has one copy of mask.   |
| K-Locus  | <b>n/n</b>  | Dog is negative for the KB allele, and the coat coloration will be based on the agouti genotype.                             |

**Pattern Results(2 of 19)**

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

**Trait Results(4 of 19)**

|                   |                        |  |
|-------------------|------------------------|--|
| Curl 1&2          | <b>n/n</b>             | 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       | <b>n/n</b>             | Non-Furnished: Dog is negative for the furnishings mutation.   |
| Hair Length (1-5) | <b>L/l<sup>1</sup></b> | Dog carries one copy of the long hair allele.  |
| Shedding          | <b>n/n</b>             | Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.   |