AnimalGenetics INCORPORATED
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# Canine Genetic Testing Report

**Submitted By**

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**Subject Dog** 00346208

Date Received: 2/23/2022

Dog Name: **Grace's 80438 Boy** (Owl Creek Bingo)
AKC# NP71237807
Breed: French Bulldog
Phenotype: Lilac & Tan
Registration:
Microchip:
Sex: Male
Birth: 11/19/2021

**Sire**

Sire Name: Big Taker Peanut
Breed: French Bulldog
Registration:
Phenotype: Lilac & Tan

**Dam**

Dam Name: Rainbow Ridge Grace
Breed: French Bulldog
Registration:
Phenotype: Lilac & Tan

## Coat Color Testing

| | | | |
|---|---|---|---|
| X | A Locus-Ay | n/n | Dog does not carry the gene responsible for fawn/sable coat color. |
| X | A Locus-Aw | n/n | Negative for wild-sable. |
| X | A Locus-At | At/At | Dog has two copies of the tan points/tricolor gene. |
| X | A Locus-a | n/n | Dog does not carry the gene responsible for recessive black coat color. |
| X | B Locus | B/B | Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring |
| X | Cocoa | n/co | Carrier: Dog has one copy of the cocoa mutation. |
| X | D Locus | d/d | Dog is homozygous for the dilution gene. The dog will always pass on a copy of the dilution gene to any offspring. |
| X | E Locus- EM | n/EM | Dog has one copy of the allele for melanistic mask |
| X | E Locus- e | E/E | Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color. |
| X | K Locus-KB | n/n | Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene. |
| X | Spotting | N/N | Negative: Dog is negative for the MITF variant associated with parti-color in some breeds. |
| | Harlequin | | *Not Tested* |
| | Merle | | *Not Tested* |

## Coat Type Testing

| | | | |
|---|---|---|---|
| X | Hair Length | L/l4 | Short Hair: Dog has one copy of the L4 long hair allele. |
| X | Hair Curl | n/n | Non-Curly Coat: Dog does not carry the mutation for coat curl. |
| X | Furnishings | n/n | Dog is negative for the Furnishings mutation. |
| X | Shedding | n/n | Negative: Dog is unlikely to be a high shedding dog. |

## Genetic Disorders

| | | | |
|---|---|---|---|
| | CDDY | | *Not Tested* |
| | CDPA | | *Not Tested* |
| X | CMR1 | n/n | Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1. |
| | cord1-PRA | | *Not Tested* |
| X | DM | n/n | Clear: Dog is negative for the SOD1A Degenerative Myelopathy mutation. |
| X | HUU | n/n | Clear: Dog tested negative for the Hyperuricosuria. |
| X | JHC | n/n | Clear: Dog tested negative for the HSF-4 Hereditary Cataracts mutation. |

## Genetic Marker Results

Run Date: *Not Tested*

| | | | | | | |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | - |
| AHT121 | AHT137 | AHTh171 | AHTh260 | AHTk211 | AHTk253 | C22-279 |
| - | - | - | - | - | - | - |
| CAN-AMEL | FH2054 | FH2848 | INRA21 | INU005 | INU030 | INU055 |
| - | - | - | - | - | | |
| REN54P11 | REN162C04 | REN169D01 | REN169O18i | REN247M23 | | |

## Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
E-Panel: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.