

Canine Genetic Testing Report

Submitted By

David Faccini



Subject Dog 00258971

Date Received: 5/6/2021

Dog Name: **Reina**
Breed: **French Bulldog**
Phenotype:

Registration: NP657525

Microchip:

Sex: Female

Birth: 04/04/2021

Sire

Sire Name: Nyirsegi Rancos Kadi
Breed: French Bulldog
Registration: NP61403201
Phenotype: Merle

Dam

Dam Name: Lune Bleu
Breed: French Bulldog
Registration: NP55257601
Phenotype: Blue Fawn

Coat Color Testing

| | | | |
|-------------------------------------|-------------|-------|--|
| <input checked="" type="checkbox"/> | A Locus-Ay | n/Ay | Dog has one copy of the gene responsible for fawn/sable coat color. |
| <input checked="" type="checkbox"/> | A Locus-Aw | n/n | Negative for wild-sable. |
| <input checked="" type="checkbox"/> | A Locus-At | n/At | Dog has one copy of the tan points/tricolor gene. |
| <input checked="" type="checkbox"/> | A Locus-a | n/n | Dog does not carry the gene responsible for recessive black coat color. |
| <input checked="" type="checkbox"/> | B Locus | B/B | Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring |
| <input checked="" type="checkbox"/> | Cocoa | n/co | Carrier: Dog has one copy of the cocoa mutation. |
| <input checked="" type="checkbox"/> | 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. |
| <input checked="" type="checkbox"/> | E Locus- EM | EM/EM | Dog has two copies of allele for melanistic mask. |
| <input checked="" type="checkbox"/> | 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. |
| <input checked="" type="checkbox"/> | K Locus-KB | n/n | Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene. |
| <input checked="" type="checkbox"/> | Spotting | N/S | Dog has one copy of the MITF variant associated with parti-color in some breeds. |
| | Harlequin | | Not Tested |
| | Merle | | Not Tested |

Coat Type Testing

| | | |
|--|-------------|------------|
| | Hair Length | Not Tested |
| | Hair Curl | Not Tested |
| | Furnishings | Not Tested |
| | Shedding | Not Tested |

Genetic Disorders

| | | |
|--|-----------|------------|
| | CDDY | Not Tested |
| | CDPA | Not Tested |
| | CMR1 | Not Tested |
| | cord1-PRA | Not Tested |
| | DM | Not Tested |
| | HUU | Not Tested |
| | JHC | Not Tested |

Genetic Marker Results

Run Date: Not Tested

| | | | | | | |
|----------|-----------|-----------|-----------|-----------|---------|---------|
| - | - | - | - | - | - | - |
| AHT121 | AHT137 | AHT171 | AHT260 | AHTK211 | AHTK253 | C22-279 |
| - | - | - | - | - | - | - |
| CAN-AMEL | FH2054 | FH2848 | INRA21 | INU005 | INU030 | INU055 |
| - | - | - | - | - | | |
| REN54P11 | REN162C04 | REN169D01 | REN169O18 | REN247M23 | | |

Additional Comments

A-Panel: Ay/At - Dog is fawn and carries black-and-tan.
E-Panel: EM/EM-Dog has two copies of the melanistic mask allele and does not carry the recessive yellow allele.