



# Animal Genetics

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## Genetic Testing Report

Otis Jack

### Submitted By

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USA

### Owned By

Wayne Keim

### Subject Dog

Dog Name: **Otis Jack**

Breed: **French Bulldog**

Phenotype:

Sex: **Male**

Birth:

Lab Reference #: **838186**

### Disorder Results (4 of 16)

|      |     |  |
|------|-----|--|
| 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.           |
| 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 16)

|          |       |  |
|----------|-------|--|
| Albinism | n/n   | Dog is negative for the allele causing albinism in some small breeds.  |
| A-Locus  | AY/at | Dog is fawn/sable and carries for tan point gene.  |
| B-Locus  | B/B   | Dog does not carry the mutation for most forms of chocolate 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 is negative for cream/yellow and has one copy of mask.   |
| K-Locus  | n/KB  | Both the KB and negative alleles detected; dog can be brindled or express only the base coat.                                |

### Pattern Results (1 of 16)

|         |     |  |
|---------|-----|--|
| S-Locus | n/S | Heterozygous: Dog has one copy of S-Locus. Results vary according to breed, with some limited white spotting in some breeds. |
|---------|-----|--|

### Trait Results (4 of 16)

|                   |     |   |
|-------------------|-----|---|
| 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 | Negative for long coat allele.  |
| Shedding          | n/n | Dog has no copies of the shedding allele. The dog will have a low propensity towards shedding.  |

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