AnimalGenetics INCORPORATED
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Tallahassee, FL 32308

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# Canine Genetic Testing Report

| Submitted By |
|---|
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**Subject Dog** 00325928

Date Received: 12/21/2021

Dog Name: **King's Guardian "Monet" of KAR Farm**
Breed: Great Dane
Phenotype: Chocolate

Registration: WS72545907
Microchip: 9560000[redacted]
Sex: Female
Birth: 05/07/2021

**Sire**

Sire Name: King's Guardian Legends of Barron
Breed: Great Dane
Registration: WS66505412
Phenotype: Lilac Harlequin

**Dam**

Dam Name: SBR Charlies Chocolate Pie
Breed: Great Dane
Registration: WS57572903
Phenotype: Black Mantle

## Coat Color Testing

| | | | |
|---|---|---|---|
| X | A Locus-Ay | AY/AY | Dog has two copies of the gene responsible for fawn/sable coat color. |
| X | A Locus-Aw | n/n | Negative for wild-sable. |
| X | A Locus-At | n/n | Dog does not carry 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 has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation. |
| | Cocoa | | *Not Tested* |
| X | D Locus | D/d | Dog carries the dilution gene, but will appear full color. |
| X | E Locus- EM | EM/EM | Dog has two copies of 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 | KB/KB | Dog has two copies of the dominant black gene, and will be self-colored. Dog will always have self-colored offspring. |
| X | Spotting | N/S | Dog has one copy of the MITF variant associated with parti-color in some breeds. |
| X | Harlequin | n/H | Positive: Dog has one copy of the Harlequin gene, and can pass it on to any offspring. Harlequin will express in the presence of the Merle gene. |
| X | Merle | n/n | Dog has two copies of the recessive "m" allele and is negative for merle. The dog will always pass on a negative copy of the merle allele to all offspring. |

## Coat Type Testing

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

## Genetic Disorders

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|---|---|---|---|
| | DM | | *Not Tested* |
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## 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 | - / REN169O18 | - / REN247M23 | | |

## Additional Comments

A-Panel: Ay/Ay - Homozygous for fawn/ sable.
E-Panel: EM/EM-Dog has two copies of the melanistic mask allele and does not carry the recessive yellow allele.