AnimalGenetics
INCORPORATED
1336 Timberlane Road
Tallahassee, FL 32312-1766

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Canine Genetic Testing Report

Submitted By
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Subject Dog 00176783

Date Received: 1/21/2020

Dog Name: **F and B's Rocket Man of KAR Farm "Elton"**
Breed: Great Dane
Phenotype: Brindle Merle

Registration: WS566434507
Microchip: 98[redacted]253
Sex: Male
Birth: 10/15/2019

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

Coat Color Testing

X	A Locus-Ay	n/AY	Dog has one copy of the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/Aw	Dog has one copy of 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 carries a copy of the allele responsible for brown color and can potentially pass on that allele to future offspring.
X	D Locus	D/d	Dog carries the dilution gene, but will appear full color.
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/KB	Dog has one copy of the dominant black gene. Dog is self-colored and can pass on that gene to any offspring.
X	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.
X	Harlequin	n/n	Negative: Dog does not carry the Harlequin gene.
	Merle		Not Tested

Coat Type Testing

	Hair Length		Not Tested
	Hair Curl		Not Tested
	Furnishings		Not Tested
	Bobtail		Not Tested
	Shedding		Not Tested

Genetic Disorders

	DM		Not Tested

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/Aw - Dog is fawn and carries wild sable.
E-Panel: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.