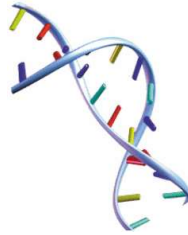


Canine Genetic Testing Report



Submitted By
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[REDACTED]
Pottstown, PA 19464-2204
United States

Subject Dog **00201761** Date Received: **8/13/2020**

Dog Name: **Phoenix's Yellow Collar Girl** Registration: **WS691840**
 Breed: **Great Dane** Microchip:
 Phenotype: **Fawn** Sex: **Female** Birth: **08/07/2020**

Sire

Sire Name: **F&B's Bane Ruler of Shadows**
 Breed: **Great Dane**
 Registration: **WS55485307**
 Phenotype: **Fawn**

Dam

Dam Name: **Starr Creek Blue Phoenix of Karfarm**
 Breed: **Great Dane**
 Registration: **WS56488604**
 Phenotype: **Blue 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 carries a copy of the allele responsible for brown color and can potentially pass on that allele to future offspring.
	Cocoa		<i>Not Tested</i>
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	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.
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.
	Merle		<i>Not Tested</i>

Genetic Disorders			
	DM		<i>Not Tested</i>

Coat Type Testing			
	Hair Length		<i>Not Tested</i>
	Hair Curl		<i>Not Tested</i>
	Furnishings		<i>Not Tested</i>
	Shedding		<i>Not Tested</i>

Genetic Marker Results							Run Date:
-	-	-	-	-	-	-	<i>Not Tested</i>
AHT121	AHT137	AHT171	AHT260	AHT211	AHT253	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.