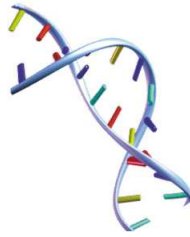


## Canine Genetic Testing Report



Submitted By
Kris Hauk
2875 Pruss Hill Rd Pottstown, PA 19464-2204 United States

<b>Subject Dog</b> 00246668	Date Received: 3/23/2021
Dog Name: <b>Brock</b> Breed: Great Dane Phenotype: Brindle Merle	Registration: WS716789 Microchip: Sex: Male Birth: 03/13/2021

<b>Sire</b>	<b>Dam</b>
Sire Name: F and B's Rocket Man of Kar Farm "Elton" Breed: Great Dane Registration: WS66434507 Phenotype: Brindle Merle	Dam Name: Starr Creek Blue Phoenix of Kar Farm "Pheonix" Breed: Great Dane Registration: WS56488604 Phenotype: Blue Mantle

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.
	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	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/S Dog has one copy of 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
	Shedding	Not Tested

Genetic Disorders			
	DM		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	REN169O18i	REN247M23			

**Additional Comments**

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