AnimalGenetics INCORPORATED
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Canine Genetic Testing Report

Submitted By
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Subject Dog 00187241

Date Received: 5/5/2020

Dog Name: **Starr Creek Blue "Phoenix" of Kar Farm**
Registration: WS56488604
Breed: Great Dane
Microchip: 985112008183451
Phenotype: Blue & White Mantle
Sex: Female
Birth: 03/09/2017

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

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.
X	D Locus	**d/d**	Dog is homozygous for the dilution gene. The dog will always pass on a copy of the dilution gene to any offspring.
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*
	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/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.