

Canine Genetic Testing Report



Submitted By

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Subject Dog **00267789**

Dog Name: **Stella Von Der Essenhaus**

Breed: **Miniature Bernedoodle**

Phenotype: **Tri Color**

Registration:

Microchip:

Sex: **Female**

Date Received: 6/7/2021

Birth: 07/17/2020

Sire

Sire Name:

Breed:

Registration:

Phenotype:

Dam

Dam Name:

Breed:

Registration:

Phenotype:

Coat Color Testing

X	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n	Negative for wild-sable.
X	A Locus-At	At/At	Dog has two copies of 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 does not carry the brown allele, and can never pass on the gene for brown to future offspring.
	Cocoa		
X	D Locus	D/D	Dog is negative for the dilution gene.
X	E Locus- EM	n/n	Dog does not carry allele for melanistic mask.
X	E Locus- e	E/e	Dog carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
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/S	Dog has one copy of the MITF variant associated with parti-color in some breeds.
	Harlequin		
	Merle		

Coat Type Testing

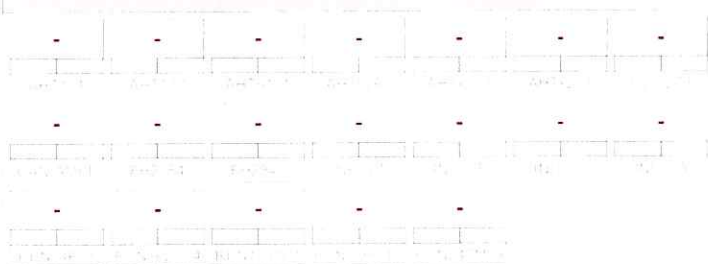
X	Hair Length	I/I	Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	n/C	Curly Coat: Dog has one copy of the coat curl mutation, and could pass it on to any offspring.
X	Furnishings	n/F	Dog has 1 copy of the Furnishings mutation, and has a 50% chance of passing on the Furnishings allele to any offspring.
X	Shedding	n/SD	Moderate: Dog has one copy of the shedding allele, and is likely to be a moderate shedder.

Genetic Disorders

X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	vWD1	n/n	Clear: Dog tested negative for the von Willebrand's Type I mutation.
	CDDY		
	CDPA		
X	NEWS	n/n	Clear: Dog tested negative for the NEWS mutation.
X	pred-PRA	n/n	Clear: Analysis indicates dog is negative/clear for the pred-PRA mutation.

Genetic Marker Results

Run Date:



Additional Comments

A-Panel: At/At - Homozygous for black-and-tan.
E-Panel: E/e-Dog has one copy of the recessive yellow allele and does not carry the melanistic mask allele.