

Canine Genetic Testing Report

Submitted By
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Subject Dog 00069769	Date Received: 12/13/2016
Dog Name: Nirvana Gemstone's Flower Power Breed: Havanese Phenotype: Red Sable	Registration: TS317297 Sex: Female Birth: 08/24/2016

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-At	n/At Dog has one copy 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
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 carries one copy of the spotting or parti-color gene, and can pass it on to any offspring.
	Harlequin	<i>Not Tested</i>
	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>
	Bobtail	<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/At-Dog is fawn and carries black-and-tan.
E-Panel: E/e-Dog has one copy of the recessive yellow allele and does not carry the melanistic mask allele.