

## Canine Genetic Testing Report

Submitted By
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<b>Subject Dog</b> 00069770	Date Received: 12/13/2016
Dog Name: <b>Nirvana's Happily Everly After</b> Breed: <b>Havanese</b> Phenotype: <b>Tri Color</b>	Registration: <b>TS19842401</b> Sex: <b>Female</b> Birth: <b>12/29/2013</b>

<b>Sire</b>
Sire Name: Breed: Registration: Phenotype:

<b>Dam</b>
Dam Name: Breed: Registration: Phenotype:

Coat Color Testing		
<b>X</b>	A Locus-Ay	<b>n/AY</b> Dog has one copy of the gene responsible for fawn/sable coat color.
<b>X</b>	A Locus-At	<b>n/At</b> Dog has one copy of the tan points/tricolor gene.
<b>X</b>	A Locus-a	<b>n/n</b> Dog does not carry the gene responsible for recessive black coat color.
<b>X</b>	B Locus	<b>B/B</b> Dog does not carry the brown allele, and can never pass on the gene for brown to future offspring
<b>X</b>	D Locus	<b>D/D</b> Dog is negative for the dilution gene.
<b>X</b>	E Locus- EM	<b>n/n</b> Dog does not carry allele for melanistic mask.
<b>X</b>	E Locus- e	<b>E/E</b> Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color.
<b>X</b>	K Locus-KB	<b>n/n</b> Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
<b>X</b>	Spotting	<b>S/S</b> Dog has two copies of the spotting or parti-color gene, and will always pass on one copy to all 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 does not carry the recessive yellow or melanistic mask alleles.