

Canine Genetic Testing Report



Submitted By
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Subject Dog 00142556	Date Received: 1/7/2019
Dog Name: Milu White Ear Breed: Epagneul Breton Phenotype: Orange & White	Registration: Microchip: Sex: Female Birth: 21/October/2018

Sire	Dam
Sire Name: Breed: Registration: Phenotype:	Dam Name: Breed: Registration: Phenotype:

Coat Color Testing			Genetic Disorders		
<input checked="" type="checkbox"/>	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.	DM	<i>Not Tested</i>
<input checked="" type="checkbox"/>	A Locus-At	At/At	Dog has two copies of the tan points/tricolor gene.		
<input checked="" type="checkbox"/>	A Locus-a	n/n	Dog does not carry the gene responsible for recessive black coat color.		
<input checked="" type="checkbox"/>	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.		
<input checked="" type="checkbox"/>	D Locus	D/D	Dog is negative for the dilution gene.		
<input checked="" type="checkbox"/>	E Locus- EM	n/n	Dog does not carry allele for melanistic mask.		
<input checked="" type="checkbox"/>	E Locus- e	e/e	The dog is yellow-based, and will always pass on a copy of the yellow allele to any offspring.		
<input checked="" type="checkbox"/>	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.		
<input checked="" type="checkbox"/>	Spotting	S/S	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>		

Coat Type Testing			Genetic Marker Results							
Hair Length		<i>Not Tested</i>	-	-	-	-	-	-	-	-
Hair Curl		<i>Not Tested</i>	AHT121	AHT137	AHT171	AHT260	AHT211	AHT253	C22-279	
Furnishings		<i>Not Tested</i>	-	-	-	-	-	-	-	-
Bobtail		<i>Not Tested</i>	CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055	
Shedding		<i>Not Tested</i>	-	-	-	-	-	-	-	-
			REN54P11	REN162C04	REN169D01	REN169O18	REN247M23			

Run Date: *Not Tested*

Additional Comments
A-Panel: At/At-Homozygous for black-and-tan.
E-Panel: e/e-Dog has two copies of the recessive yellow allele and will express the yellow phenotype. Dog does not carry the melanistic mask allele.