

## Canine Genetic Testing Report

Submitted By
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<b>Subject Dog</b> 00127540	Date Received: 7/23/2018
Dog Name: <b>Romo</b> Breed: Yorkshire Terrier Phenotype: Chocolate Sable	Registration: TS35512103 Sex: Male Birth: 03/27/2017

<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/n</b>	Dog does not carry the gene responsible for fawn/sable coat color.
<b>X</b>	A Locus-At	<b>At/At</b>	Dog has two copies 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 has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation.
<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>	The dog is yellow-based, and will always pass on a copy of the yellow allele to any offspring.
<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>N/N</b>	Negative: Dog is negative for the spotting or parti-color gene.
	Harlequin		Not Tested
	Merle		Not Tested

Genetic Disorders			
	DM		Not Tested
	PLL		Not Tested
	prcd-PRA		Not Tested

Coat Type Testing		
Hair Length		Not Tested
Hair Curl		Not Tested
Furnishings		Not Tested
Bobtail		Not Tested
Shedding		Not Tested

Genetic Marker Results							Run Date: Not Tested
-	-	-	-	-	-	-	
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: 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.