

# Canine Genetic Testing Report

Submitted By	
Melissa Farmer Farmer Doodles 3609 Chestnut Hill Drive Medina, OH 44256	



**Subject Dog** 00038045

Date Received: 8/17/2015

Dog Name: <b>Winston</b>	Registration: 1700581
Breed: Goldendoodle	Sex: Male
Phenotype: Red	Birth: 06/16/2014

<b>Sire</b>	Sire Name: Breed: Registration: Phenotype:
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<b>Dam</b>	Dam Name: Breed: Registration: Phenotype:
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<b>Coat Color Testing</b>			
X	A Locus-Ay	<b>n/Ay</b>	Dog has one copy of the gene responsible for fawn/sable coat color.
X	A Locus-At	<b>n/At</b>	Dog has one copy of the tan points/tricolor gene.
X	A Locus-a	<b>n/n</b>	Dog does not carry the gene responsible for recessive black coat color.
X	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
X	D Locus	<b>D/D</b>	Dog is negative for the dilution gene.
X	E Locus- EM	<b>n/n</b>	Dog does not carry allele for melanistic mask.
X	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.
X	K Locus-KB	<b>KB/KB</b>	Dog has two copies of the dominant black gene, and will be self-colored. Dog will always have self-colored offspring.
X	Spotting	<b>N/S</b>	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>

<b>Genetic Disorders</b>			
	DM		<i>Not Tested</i>
	GR-PRA1		<i>Not Tested</i>
	GR-PRA2		<i>Not Tested</i>
X	Ich	<b>n/n</b>	Clear. Dog tested negative for the Ichthyosis mutation.
	MD		<i>Not Tested</i>
	NEwS		<i>Not Tested</i>
	vWD1		<i>Not Tested</i>

<b>Coat Type Testing</b>			
	Hair Length		<i>Not Tested</i>
	Hair Curl		<i>Not Tested</i>
	Furnishings		<i>Not Tested</i>
	Bobtail		<i>Not Tested</i>

<b>Genetic Marker Results</b>						
<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
AHT121	AHT137	AHT171	AHT260	AHTk211	AHTk253	C22-279
<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

<b>Additional Comments</b>						
<p>A-Panel: Ay/At-Dog is fawn and carries 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.</p>						