

Canine Genetic Testing Report

Submitted By
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Subject Dog 00198532	Date Received: 7/27/2020
Dog Name: GDF's Nala/Ginger "Zoey" Breed: Goldendoodle Phenotype: Apricot	Registration: Microchip: Sex: Female Birth:

Sire
Sire Name: Breed: Goldendoodle Registration: Phenotype:

Dam
Dam Name: Breed: Goldendoodle Registration: Phenotype:

Coat Color Testing		
X	A Locus-Ay	n/n Dog does not carry the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n Negative for wild-sable.
X	A Locus-At	At/At Dog has two copies 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 carries a copy of the allele responsible for brown color and can potentially pass on that allele to future offspring.
	Cocoa	Not Tested
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 The dog is yellow-based, and will always pass on a copy of the yellow allele to any offspring.
X	K Locus-KB	KB/KB Dog has two copies of the dominant black gene, and will be self-colored. Dog will always have self-colored offspring.
X	Spotting	N/S Dog has one copy of the MITF variant associated with parti-color in some breeds.
	Harlequin	Not Tested
X	Merle	n/n Dog has two copies of the recessive "m" allele and is negative for merle. The dog will always pass on a negative copy of the merle allele to all offspring.

Genetic Disorders		
X	CDDY	N/N Dog is negative for the CDDY mutation.
X	CDPA	N/N Dog is negative for the CDPA mutation.
X	DM	n/n Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	GR-PRA1	n/n Clear: Dog tested negative for the GR-PRA1 mutation.
X	GR-PRA2	n/n Clear: Dog tested negative for the GR-PRA2 mutation.
X	Ich	n/n Clear: Dog tested negative for the Ichthyosis mutation.
X	MD	n/n Clear: Dog tested negative for the Muscular Dystrophy mutation.
X	NEwS	n/n Clear: Dog tested negative for the NEwS mutation.
X	prcd-PRA	n/n Clear: Analysis indicates dog is negative/clear for the prcd-PRA mutation.
X	vWD1	n/n Clear: Dog tested negative for the von Willebrand's Type I mutation.

Coat Type Testing		
X	Hair Length	l/l Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	n/C Curly Coat: Dog has one copy of the coat curl mutation, and could pass it on to any offspring.
X	Furnishings	n/F Dog has 1 copy of the Furnishings mutation, and has a 50% chance of passing on the Furnishings allele to any offspring.
X	Shedding	n/n Negative: Dog is unlikely to be a high shedding dog.

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.