

Canine Genetic Testing Report

Submitted By
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Subject Dog 00328857	Date Received: 1/4/2022
Dog Name: Maple Breed: Goldendoodle Phenotype: Chocolate Merle Parti	Registration: Microchip: Sex: Female Birth: 01/01/2022

Sire
Sire Name: Guinness Breed: Goldendoodle Registration: Phenotype: Chocolate

Dam
Dam Name: Ashes Breed: Goldendoodle Registration: Phenotype: Blue Merle

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 has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation.
	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 Dog does not carry the gene responsible for yellow coat color. This dog will never pass on the allele for yellow coat color.
X	K Locus-KB	n/KB Dog has one copy of the dominant black gene. Dog is self-colored and can pass on that gene to any offspring.
X	Spotting	S/S Dog has two copies of the MITF variant associated with parti-color in some breeds.
	Harlequin	Not Tested
	Merle	Not Tested

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 SOD1A 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	NCL-GR	n/n Clear: Dog tested negative for the NCL mutation.
X	NEwS	n/n Clear: Dog tested negative for the NEwS mutation.
X	prcd-PRA	n/P Carrier: Dog has one copy of the causal prcd-PRA c.5G>A mutation, and may pass on a copy of the mutation to any offspring.
X	vWD1	n/n Clear: Dog tested negative for the von Willebrand's Type 1 mutation.

Coat Type Testing		
X	Hair Length	I/I Long Hair: Dog has two copies of the long hair allele.
X	Hair Curl	n/n Non-Curly Coat: Dog does not carry the mutation for coat curl.
X	Furnishings	F/F Dog has 2 copies of the Furnishings mutation, and will always produce offspring with Furnishings
X	Shedding	n/SD Moderate: Dog has one copy of the shedding allele, and is likely to be a moderate shedder.

Additional Comments
A-Panel: At/At - Homozygous for black-and-tan. E-Panel: E/E-Dog does not carry the recessive yellow or melanistic mask alleles.