

## Canine Genetic Testing Report

Submitted By
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<b>Subject Dog</b> 00236815	Date Received: 2/12/2021
Dog Name: <b>Lucy (Red)</b> Breed: Goldendoodle Phenotype:	Registration: Microchip: Sex: Female Birth:

<b>Sire</b>
Sire Name: Donald GDF's Max Breed: Goldendoodle Registration: Phenotype: Phantom

<b>Dam</b>
Dam Name: GDF's Molly Breed: Goldendoodle Registration: Phenotype: Apricot

Coat Color Testing		
X	A Locus-Ay	n/AY Dog has one copy of the gene responsible for fawn/sable coat color.
X	A Locus-Aw	n/n Negative for wild-sable.
X	A Locus-At	n/At Dog has one copy 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 does not carry the brown allele, and can never pass on the gene for brown to future offspring
	Cocoa	Not Tested
X	D Locus	D/D Dog is negative for the dilution gene.
X	E Locus-EM	n/EM Dog has one copy of the allele for melanistic mask
X	E Locus-e	E/e Dog carries the allele responsible for the yellow coat color and could pass on either allele to any offspring.
X	K Locus-KB	n/n Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.
X	Spotting	N/N Negative: Dog is negative for 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/Ich Carrier: Dog has one copy of the Ichthyosis mutation and may pass it on to any offspring.
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	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	SD/SD High: Dog has two copies of the shedding allele, and is more likely to be a high shedder.

<b>Additional Comments</b>
A-Panel: Ay/At - Dog is fawn and carries black-and-tan. E-Panel: EM/e-Dog has one copy of the melanistic mask allele and one copy of the recessive yellow allele.