

Canine Genetic Testing Report



Submitted By

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Darlin' Doggies
265 Scalybark Trl
Concord, NC 28027
United States

Subject Dog 00278618

Date Received: 7/14/2021

Dog Name: **Rusty**
Breed: Aussiedoodle
Phenotype: Chocolate Merle

Registration:
Microchip:
Sex: Male Birth: 05/20/2021

Sire	Dam
Sire Name: Breed: Registration: Phenotype:	Dam Name: Breed: Registration: Phenotype:

Coat Color Testing				Genetic Disorders			
<input checked="" type="checkbox"/>	A Locus-Ay	n/n	Dog does not carry the gene responsible for fawn/sable coat color.	<input checked="" type="checkbox"/>	Cone Deg.	n/n	Clear: Dog tested negative for the Cone Degeneration mutation.
<input checked="" type="checkbox"/>	A Locus-Aw	n/n	Negative for wild-sable.		CDDY		Not Tested
<input checked="" type="checkbox"/>	A Locus-At	n/At	Dog has one copy of the tan points/tricolor gene.		CDPA		Not Tested
<input checked="" type="checkbox"/>	A Locus-a	n/a	Dog has one copy of the gene responsible for recessive black coat color.	<input checked="" type="checkbox"/>	CEA	n/n	Clear: Dog tested negative for the Collie Eye Anomaly mutation.
<input checked="" type="checkbox"/>	B Locus	b/b	Dog has two copies of the brown/chocolate gene. All black pigment will be modified to brown/chocolate pigmentation.	<input checked="" type="checkbox"/>	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
	Cocoa		Not Tested	<input checked="" type="checkbox"/>	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
<input checked="" type="checkbox"/>	D Locus	D/d	Dog carries the dilution gene, but will appear full color.	<input checked="" type="checkbox"/>	HC	n/n	Clear: Dog tested negative for the HSF-4 Hereditary Cataracts mutation.
<input checked="" type="checkbox"/>	E Locus-EM	n/EM	Dog has one copy of the allele for melanistic mask	<input checked="" type="checkbox"/>	MDR1	n/n	Clear: Only normal unaltered allele detected. Dog should not exhibit any sensitivity to ivermectin or other drugs associated with this disorder.
<input checked="" type="checkbox"/>	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.	<input checked="" type="checkbox"/>	NEwS	n/n	Clear: Dog tested negative for the NEwS mutation.
<input checked="" type="checkbox"/>	K Locus-KB	n/n	Dog does not have the dominant black gene, and the color pattern is determined by the Agouti gene.	<input checked="" type="checkbox"/>	prcd-PRA	n/n	Clear: Analysis indicates dog is negative/clear for the prcd-PRA mutation.
<input checked="" type="checkbox"/>	Spotting	N/N	Negative: Dog is negative for the MITF variant associated with parti-color in some breeds.	<input checked="" type="checkbox"/>	vWD1	n/n	Clear: Dog tested negative for the von Willebrand's Type 1 mutation.
	Harlequin		Not Tested				
	Merle		Not Tested				

Coat Type Testing				Additional Comments			
<input checked="" type="checkbox"/>	Hair Length	l/l	Long Hair: Dog has two copies of the long hair allele.	A-Panel: At/a - Dog is black-and-tan and carries recessive black. E-Panel: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.			
<input checked="" type="checkbox"/>	Hair Curl	n/C	Curly Coat: Dog has one copy of the coat curl mutation, and could pass it on to any offspring.				
<input checked="" type="checkbox"/>	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.				
<input checked="" type="checkbox"/>	Shedding	SD/SD	High: Dog has two copies of the shedding allele, and is more likely to be a high shedder.				