AnimalGenetics INCORPORATED
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Canine Genetic Testing Report

Submitted By
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Subject Dog 00195712

Date Received: 7/7/2020

Dog Name: **Gravatt's Nadi Boy**
Breed: Toy Australian Shepherd
Phenotype: Red Merle

Registration: ASDT-SD-2000599
Microchip:
Sex: Male
Birth: 10/19/2019

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
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 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/EM	Dog has one copy of the 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/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*
X	Merle	n/M	Dog has one copy of the "M" merle allele and one negative "m" copy of merle allele. The dog can pass either allele on to any offspring.

Coat Type Testing

	Hair Length		*Not Tested*
	Hair Curl		*Not Tested*
	Furnishings		*Not Tested*
	Shedding		*Not Tested*

Genetic Disorders

	Cone Deg.		*Not Tested*
	CEA		*Not Tested*
	CMR1		*Not Tested*
	DM		*Not Tested*
	HC		*Not Tested*
	MDR1		*Not Tested*
	prcd-PRA		*Not Tested*

Genetic Marker Results

Run Date: *Not Tested*

- / - AHT121	- / - AHT137	- / - AHTh171	- / - AHTh260	- / - AHTk211	- / - AHTk253	- / - 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: EM/E-Dog has one copy of the melanistic mask allele and does not carry the recessive yellow allele.