

# GENETIC ANALYSIS REPORT



## OWNER'S DETAILS

Carla Simmons

## COLLECTION DETAILS

Case Number : 19225086  
Date of Test : 19th Sep 2019  
Collected By : Dr. Lisa Butler  
**Approved Collection : YES**

## ANIMAL'S DETAILS

Registered Name : Tallai Dreamworks  
Pet Name : Tallai Dreamworks  
Registration Number :  
Breed : Australian Labradoodle  
Microchip Number : 953010002717504  
Sex : Intact Male  
Date of Birth : 24th Jun 2018  
Colour : Chocolate

Sample with Lab ID Number 19225086 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported:

## GENETIC ANALYSIS SUMMARY

<sup>1</sup> **Please Note:** This is a summary disease and trait report. To view more details on each test, including a DNA profile, please log in to your account and view the detailed single DNA report.

### TESTS REPORTED

### RESULT <sup>1</sup>

#### *Urinary system / Urologic - Associated with the kidneys, bladder, ureters and urethra*

AUTOSOMAL HEREDITARY RECESSIVE NEPHROPATHY	NEGATIVE / CLEAR [NO VARIANT DETECTED]
CANINE HYPERURICOSURIA	NEGATIVE / CLEAR [NO VARIANT DETECTED]
CYSTINURIA (SLC3A1) LABRADOR RETRIEVER TYPE	NEGATIVE / CLEAR [NO VARIANT DETECTED]

#### *Musculoskeletal - Associated with muscles, bones and associated structures*

CENTRONUCLEAR MYOPATHY (LABRADOR RETRIEVER TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
MILD DISPROPORTIONATE DWARFISM (LABRADOR TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
MYOTUBULAR MYOPATHY X-LINKED (LABRADOR RETRIEVER TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
SKELETAL DYSPLASIA 2 (MILD DISPROPORTIONATE DWARFISM)	NEGATIVE / CLEAR [NO VARIANT DETECTED]

#### *Ophthalmologic - Associated with the eyes and associated structures*

CONE-ROD DYSTROPHY I - PRA (CORD I)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
GENERALISED PRA 1 (GOLDEN RETRIEVER TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
PROGRESSIVE ROD CONE DEGENERATION (PRCD) - PRA	NEGATIVE / CLEAR [NO VARIANT DETECTED]

#### *Nervous system / Neurologic - Associated with the brain, spinal cord and nerves*

CONGENITAL MYASTHENIC SYNDROME (LABRADOR RETRIEVER TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
DEGENERATIVE MYELOPATHY	NEGATIVE / CLEAR [NO VARIANT DETECTED]
EXERCISE INDUCED COLLAPSE (RETRIEVER TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
IVERMECTIN SENSITIVITY MDR1 (MULTI DRUG RESISTANCE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
NARCOLEPSY (LABRADOR)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
NEONATAL ENCEPHALOPATHY (POODLE TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]

#### *Haemolympathic - Associated with the blood and lymph*

ELLIPTOCYTOSIS B-SPECTRIN (LABRADOR RETRIEVER/POODLE TYPE)	NEGATIVE / CLEAR [NO VARIANT DETECTED]
GLOBOID CELL LEUKODYSTROPHY/KRABBE'S DISEASE	NEGATIVE / CLEAR [NO VARIANT DETECTED]
VON WILLEBRAND'S DISEASE TYPE I	NEGATIVE / CLEAR [NO VARIANT DETECTED]

#### *Metabolic - Associated with the enzymes and metabolic processes of cells*

GANGLIOSIDOSIS GM2 (POODLE TYPE)  
MALIGNANT HYPERTHERMIA  
MUCOPOLYSACCHARIDOSIS VI (POODLE TYPE)  
PHOSPHOFRUCTOKINASE DEFICIENCY (SPANIEL TYPE)  
PYRUVATE KINASE DEFICIENCY (CANINE)  
PYRUVATE KINASE DEFICIENCY (LABRADOR TYPE)

NEGATIVE / CLEAR [NO VARIANT DETECTED]  
NEGATIVE / CLEAR [NO VARIANT DETECTED]  
NEGATIVE / CLEAR [NO VARIANT DETECTED]  
NEGATIVE / CLEAR [NO VARIANT DETECTED]  
NEGATIVE / CLEAR [NO VARIANT DETECTED]  
NEGATIVE / CLEAR [NO VARIANT DETECTED]

**Dermatologic - Associated with the skin**

HEREDITARY NASAL PARAKERATOSIS/DRY NOSE (LABRADOR RETRIEVER TYPE)

NEGATIVE / CLEAR [NO VARIANT DETECTED]

**Trait (Associated with Phenotype)**

A LOCUS (FAWN/SABLE; TRI/TAN POINTS)

BROWN (345DELPRO) DELETION

BROWN (GLNT331STOP) STOP CODON

BROWN (SER41CYS) INSERTION CODON

D (DILUTE) LOCUS

E LOCUS - (CREAM/RED/YELLOW)

EM (MC1R) LOCUS - MELANISTIC MASK

K LOCUS (DOMINANT BLACK)

LONG HAIR GENE (CANINE C95F)

SKULL DIVERSITY (ALL BREEDS)

a<sup>t</sup>/a<sup>t</sup> - TAN POINTS/BLACK & TAN or TRICOLOUR MAY BE BRINDLED [SEE K LOCUS]

B<sup>d</sup>/B<sup>d</sup> - DOES NOT CARRY BROWN or CHOCOLATE [DELETION]

b<sup>s</sup>/b<sup>s</sup> - BROWN/CHOCOLATE, LIVER OR RED [STOP CODON]

B<sup>c</sup>/B<sup>c</sup> - DOES NOT CARRY BROWN or CHOCOLATE [INSERTION]

D/D - NO COPY OF MLPH-D ALLELE (DILUTE) - PIGMENT IS NORMAL

E/e - BLACK CARRIES EXTENSION [YELLOW/WHITE/APRICOT/RUBY/RED]

E<sup>n</sup>/E<sup>n</sup> - NO MELANISTIC MASK (E<sup>n</sup>) EXTENSION ALLELE

KB / k<sup>y</sup> or k<sup>br</sup> - ONE COPY DOMINANT BLACK (KB) and ONE COPY OF NON-BLACK (k<sup>y</sup>) dog MAY be brindled

POSITIVE - SHOWING THE PHENOTYPE

NEGATIVE FOR THE SHORTENED HEAD (BRACHYCEPHALY) VARIANT

**RESULTS REVIEWED & CONFIRMED BY:**

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George Sofronidis BSc(Hons)

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