# GENETIC ANALYSIS REPORT

Orivet Genetic Pet Care
Breed Specific Medicine

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## OWNER'S DETAILS

**Carla Simmons**

## ANIMAL'S DETAILS

| | | | |
|---|---|---|---|
| **Registered Name:** | Tallai Gizmo | **Registration No:** | 006806202 |
| **Pet Name:** | Tallai Gizmo | **Microchip No:** | 953010000859278 |
| **Breed:** | Australian Labradoodle | **Sex:** | Male |
| **Date of Birth / Age:** | 01/11/15 | **Colour:** | Black |

## COLLECTION DETAILS

| | | | |
|---|---|---|---|
| **Case Number:** | 16-136021 | **Date of Test:** | 20/10/16 |
| **Collected By:** | Dr. Jamie Mulcahy | **Approved Coll. Mthd.:** | Yes |

***Sample with Lab ID Number 16-136021 was received at Orivet Genetics, DNA was extracted and analysed with the following results reported:***

**DISEASE(S):**

EXERCISE INDUCED COLLAPSE - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
DEGENERATIVE MYELOPATHY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
AUTOSOMAL HEREDITARY RECESSIVE NEPHROPATHY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
CENTRONUCLEAR MYOPATHY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
PROGRESSIVE RETINAL ATROPHY - CORD1/RCD-4 - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
CYSTINURIA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
GLOBOID CELL LEUKODYSTROPHY/KRABBE'S DISEASE - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
MUCOPOLYSACCHARIDOSIS - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
MYOTUBULAR MYOPATHY X LINKED - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
NARCOLEPSY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
NEONATAL ENCEPHALOPATHY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
PHOSPHOFRUCTOKINASE (PFK) DEFICIENCY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
PYRUVATE KINASE (PK) DEFICIENCY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
PROGRESSIVE ROD CONE DEGENERATION - PRA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
VON WILLEBRAND'S DISEASE TYPE I - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
GANGLIOSIDOSIS - TYPE 1 & 2 - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
MALIGNANT HYPERTHERMIA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
HEREDITARY NASAL PARAKERATOSIS (DRY NOSE) - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
SKELETAL DYSPLASIA 2 (COL11A2) - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
ELLIPTOCYTOSIS (B-SPECTRIN) - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**

**TRAIT(S):**

LONG HAIR GENE (PHENOTYPE) - **POSITIVE - SHOWING THE PHENOTYPE**
A-LOCUS AGOUTI - **at/at - TAN POINTS MAY BE BRINDLED (SEE K LOCUS)**
DILUTE MLPH GENE (BLUE/GREY) - **DD - NO COPY OF MLPH-D ALLELE**
K-LOCUS (DOM BLACK/WILD TYPE) - **k/k - NON SOLID BLACK (COLOUR DETERMINED BY A LOCUS)**
EM-LOCUS MELANISTIC MASK ALLELE - **$E^n/E^n$ - NO MASKING EXTENSION ALLELE**
E (EXTENSION) LOCUS MC1R - **Ee - CARRIES EXTENSION (YELLOW/WHITE/APRICOT/RUBY)**
SPOTTING LOCUS (W GENE) - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
FOLLICULAR DYSPLASIA - COLOUR DILUTION ALOPECIA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
BLACK HAIR FOLLICULAR DYSPLASIA - **CARRIER (ONE COPY OF VARIANT DETECTED)**
BROWN (GLNT331STOP) STOP CODON **($b^s$) - BB - DOES NOT CARRY BROWN or CHOCOLATE**
BROWN (345DELPRO) DELETION **($b^d$) - BB - DOES NOT CARRY BROWN or CHOCOLATE**
BROWN (SER41CYS) INSERTION CODON **($b^c$) - BB - DOES NOT CARRY BROWN or CHOCOLATE**

**PARENTAGE VERIFICATION:** QUALIFIES/CONFIRMED

***After examining the DNA markers, it can be concluded that in combination the Dam Tallai Widget (900008800424923) (Case number: 15-126399) and the Sire Tallai Levis (900088000535305) (Case number: 13-008332) qualify as the parents of the offspring identified on this report.***

***Possible mutations sited at SNP17 on the Dam side, and SNP84 on the Sire side.**