

# GENETIC ANALYSIS REPORT



## ANIMAL'S DETAILS

## COLLECTION DETAILS

Case Number : 18121248  
Date of Test : 28th Feb 2018  
Collected By :  
Approved Collection : NO

Registered Name : Grand Ole Conway  
Twitty  
Pet Name : Conway  
Registration Number : ASDM-TX-1701655  
Breed : Australian Shepherd  
Microchip Number :  
Sex : Intact Male  
Date of Birth : 20th Jul 2016  
Colour : Black Tri

Sample with Lab ID Number 18121248 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

CANINE HYPERURICOSURIA

NEGATIVE / CLEAR [NO VARIANT DETECTED]

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

CANINE MULTIFOCAL RETINOPATHY CMR1 (MASTIFF/BULL BREEDS TYPE)

NEGATIVE / CLEAR [NO VARIANT DETECTED]

COLLIE EYE ANOMALY/CHOROIDAL HYPOPLASIA

NEGATIVE / CLEAR [NO VARIANT DETECTED]

CONE DEGENERATION

NEGATIVE / CLEAR [NO VARIANT DETECTED]

HEREDITARY CATARACT

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

DEGENERATIVE MYELOPATHY

NEGATIVE / CLEAR [NO VARIANT DETECTED]

IVERMECTIN SENSITIVITY MDR1 (MULTI DRUG RESISTANCE)

NEGATIVE / CLEAR [NO VARIANT DETECTED]

NEURONAL CEROID LIPOFUSCINOSIS 6 (AUSTRALIAN SHEPHERD TYPE)

NEGATIVE / CLEAR [NO VARIANT DETECTED]

#### Trait (Associated with Phenotype)

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

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

BLACK AND TAN/SADDLE COAT COLOUR

POSITIVE - SHOWING THE PHENOTYPE

BROWN (345DELPRO) DELETION

Bb<sup>d</sup> - CARRIER OF BROWN/CHOCOLATE/LIVER [DELETION]

BROWN (GLNT331STOP) STOP CODON

Bb<sup>s</sup> - CARRIER OF BROWN/CHOCOLATE/LIVER [STOP CODON]

BROWN (SER41CYS) INSERTION CODON

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

D (DILUTE) LOCUS

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

E LOCUS - (CREAM/RED/YELLOW)

EE - DOMINANT BLACK DOES NOT CARRY YELLOW/RED/WHITE

K LOCUS (DOMINANT BLACK)

k<sup>y</sup>/k<sup>y</sup> - RECESSIVE NON- BLACK [COLOUR PATTERN DETERMINED BY A LOCUS]

LONG HAIR GENE (CANINE C95F)

POSITIVE - SHOWING THE PHENOTYPE

NATURAL BOB TAIL (SHORT TAIL PHENOTYPE)

NEGATIVE / CLEAR [NO VARIANT DETECTED]

RESULTS REVIEWED & CONFIRMED BY:



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