

GENETIC ANALYSIS REPORT



OWNER'S DETAILS

Jaime Galvan
21229 North Hwy 36
Brazoria
TX 77422 United States

COLLECTION DETAILS

Case Number : 18077096
Date of Test : 21st Oct 2018
Collected By :

Approved Collection : NO

ANIMAL'S DETAILS

Registered Name : Lucas McCain
Pet Name : Lucas
Registration Number : DN52508108
Breed : Australian Shepherd
Microchip Number : 985112007351547
Sex : Intact Male
Date of Birth : 9th Jan 2018
Colour : Blue Merle

Sample with Lab ID Number 18077096 was received at Orivet Genetics, DNA was extracted and analysed with the following result reported:

GENETIC ANALYSIS SUMMARY

¹ **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

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^t/a^t - 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

B^d/b^d - CARRIER OF BROWN/CHOCOLATE/LIVER [DELETION]

BROWN (GLNT331STOP) STOP CODON

B^s/b^s - CARRIER OF BROWN/CHOCOLATE/LIVER [STOP CODON]

BROWN (SER41CYS) INSERTION CODON

B^c/B^c - DOES NOT CARRY BROWN or CHOCOLATE [INSERTION]

D (DILUTE) LOCUS

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

E LOCUS - (CREAM/RED/YELLOW)

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

K LOCUS (DOMINANT BLACK)

k^y/k^y - 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]

Dermatologic - Associated with the skin