

GENETIC ANALYSIS REPORT



OWNER'S DETAILS

Denise Roberts

211 Ryan Rd

Rd5 Wellsford, 0975

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A.B.N. 8 722 516 58 99

ANIMAL'S DETAILS

Registered Name: Ashdale Mid Knight Cha Cha
Pet Name: Charlie
Breed: Labrador Retriever
Date of Birth / Age:

Registration No: 05907-2014
Microchip No: 900108001654199
Sex: Male
Colour:

COLLECTION DETAILS

Case Number: 15-095730
Collected By: Dr. Daniel Cash

Date of Test: 10/11/15
Approved Coll. Mthd.: Yes

Sample with Lab ID Number 15-095730 was received at Orivet Genetics, DNA was extracted and analysed with the following results reported:

DNA PROFILE The DNA Profile below represents the genetic identification of Ashdale Mid Knight Cha Cha

SNP01 AG 	SNP02 TT 	SNP03 GA 	SNP04 AA 	SNP05 GG 	SNP06 CC 	SNP07 GG 	SNP08 GG 	SNP09 GG 	SNP10 CA 	SNP11
SNP12 GG 	SNP13 GG 	SNP14 AA 	SNP15 	SNP16 AA 	SNP17 CC 	SNP18 TT 	SNP19 TT 	SNP20 CC 	SNP21 CC 	SNP22 GG
SNP23 TT 	SNP24 CA 	SNP25 GG 	SNP26 	SNP27 GG 	SNP28 AG 	SNP29 AA 	SNP30 GG 	SNP31 CC 	SNP32 CA 	SNP33 CC
SNP34 CC 	SNP35 AA 	SNP36 GA 	SNP37 GG 	SNP38 TT 	SNP39 GT 	SNP40 TT 	SNP41 GT 	SNP42 CG 	SNP43 CC 	SNP44 GG
SNP45 CA 	SNP46 GG 	SNP47 CC 	SNP48 CC 	SNP49 CA 	SNP50 GG 	SNP51 TT 	SNP52 CC 	SNP53 GG 	SNP54 CT 	SNP55 GG
SNP56 TT 	SNP57 CC 	SNP58 GT 	SNP59 CC 	SNP60 TA 	SNP61 GA 	SNP62 CC 	SNP63 	SNP64 GG 	SNP65 TT 	SNP66 TT
SNP67 GA 	SNP68 TT 	SNP69 CC 	SNP70 TC 	SNP71 GG 	SNP72 GG 	SNP73 CT 	SNP74 	SNP75 CC 	SNP76 GG 	SNP77 TT
SNP78 	SNP79 CC 	SNP80 GA 	SNP81 GG 	SNP82 CT 	SNP83 TT 	SNP84 CC 	SNP85 TA 	SNP86 CC 	SNP87 AA 	SNP88 GG



RESULTS REVIEWED AND CONFIRMED BY:

Dr. Noam Pik BVs MDSV

George Sofronidis BSc (Hons)

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DISEASE(S): EXERCISE INDUCED COLLAPSE - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
CANINE HYPERURICOSURIA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
CENTRONUCLEAR MYOPATHY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
CYSTINURIA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
MYOTUBULAR MYOPATHY X LINKED - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
NARCOLEPSY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
PYRUVATE KINASE (PK) DEFICIENCY - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
PROGRESSIVE ROD CONE DEGENERATION - PRA - **NORMAL BY PARENTAGE HISTORY**
RETINAL DYSPLASIA/OSD - **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) - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**
A-LOCUS AGOUTI - **at/at - TAN POINTS-TAN POINTS MAY BE BRINDLED (SEE K LOCUS)**
B (TYRP1 LOCUS) BROWN/CHOCOLATE - **BB - DOES NOT CARRY BROWN or CHOCOLATE**
DILUTE MLPH GENE (BLUE/GREY) - **DD - NO COPY OF MLPH-D ALLELE**
K-LOCUS (DOM BLACK/WILD TYPE) - **KK - DOMINANT BLACK WILL NOT BE BRINDLED or EXPRESS AGOUTI**
EM-LOCUS MELANISTIC MASK ALLELE - **E^m E - ONE MASK AND ONE NORMAL EXTENSION ALLELE**
E (EXTENSION) LOCUS MC1R - **Ee - CARRIES EXTENSION (YELLOW/WHITE/APRICOT/RUBY)**
FOLLICULAR DYSPLASIA - COLOUR DILUTION ALOPECIA - **NORMAL / CLEAR / NEGATIVE (NO VARIANT DETECTED)**



RESULTS REVIEWED AND CONFIRMED BY:

Dr. Noam Pik BVs MDSV

George Sofronidis BSc (Hons)

VetGen DNA Analysis Report

3278 Plaza Drive Suite One Ann Arbor MI 48108 USA
vetgen@vetgen.com 800-483-8436 US & Canada

Vetgen ID	23955		
Animal Name	Ashdale Mid Knight ChaCha "Charlie"		
Registration	900108001654199		
Breed	Labrador Retriever	Gender	M
		Date of Birth	9/8/2014
Color-Coat	Not Provided	Nose	Not Provided

Denise Roberts
211 Ryan Road RD5
Wellsford, Auckland, 0975
NEW ZEALAND

DISEASE TEST RESULTS

<u>Report Number</u>	<u>Report Date</u>	<u>Test</u>	<u>Results</u>
112143	8/28/2015	HNPk Hered. Nasal Parakeratosis	Clear

This DNA testing is for the mutation typically found to cause the disease in this breed.

Date 08/28/2015

Findings reviewed and approved by:

George J. Brewer

Dr. George J. Brewer

Within twenty (20) calendar days after receipt of these test results, Customer must notify VetGen in writing of any nonconformity of the testing services, describing the nonconformity in detail, otherwise all testing services and data shall be deemed as accepted by Customer without qualification. Customer's sole and exclusive remedy under VetGen's limited warranty shall be to re-perform the testing at no cost and/or to provide Customer with a full refund for the purchase price of the test. The entire VetGen, LLC Terms and Conditions may be viewed online at <http://www.vetgen.com/about-business.html>.