

1336 Timberlane Road
Tallahassee, FL 32312-1766

Canine Genetic Testing Report

Submitted By: AG114369

Virgina Verville
NW Aloha Aussies
8414 N Fork Siuslaw Road
Florence, OR 97439



Subject Dog

Date Received: 9/9/2013

Dog Name: **Pockets Savannah Sue**
Breed: Miniature American Shepherd
Phenotype: Black Tri

Registration: DN34713101
Sex: Female
Birth: 7/2/2011

Sire

Sire Name: Pockets Sizzle N Rio
Breed: Miniature Australian Shepherd
Registration: MASD09RV4035
Phenotype: Red Merle

Dam

Dam Name: Pockets Sheze My Style
Breed: Miniature American Shepherd
Registration: DN31378502
Phenotype: Black Tri

Coat Color/Type Testing

| | |
|-------------|------------|
| A Locus-Ay | Not Tested |
| A Locus-At | Not Tested |
| A Locus-a | Not Tested |
| B Locus | Not Tested |
| D Locus | Not Tested |
| E Locus- EM | Not Tested |
| E Locus- e | Not Tested |
| K Locus-KB | Not Tested |
| Spotting | Not Tested |
| Hair Length | Not Tested |
| Hair Curl | Not Tested |
| Furnishings | Not Tested |
| Bobtail | Not Tested |

Genetic Disorders

| | |
|---------------|---|
| HC | Not Tested |
| CMR1 | Not Tested |
| X MDR1 | n/n Clear: Only normal unaltered allele detected. Dog should not exhibit any sensitivity to Ivermectin or other drugs associated with this disorder. |

Genetic Marker Results

Run Date: Not Tested

| | | | | | | |
|----------|-----------|-----------|-----------|-----------|--------|---------|
| - | - | - | - | - | - | - |
| AHT121 | AHT137 | AHT171 | AHT260 | AHT211 | AHT253 | C22-279 |
| - | - | - | - | - | - | - |
| CAN-AMEL | FH2054 | FH2848 | INRA21 | INU005 | INU030 | INU055 |
| - | - | - | - | - | - | - |
| REN54P11 | REN162C04 | REN169D01 | REN169O18 | REN247M23 | - | - |

HC = Hereditary Cataracts
CMR1 = Canine Multifocal Retinopathy Type 1
MDR1 = Multi-Drug Resistance

Additional Comments

None

Thank you for choosing Animal Genetics Inc.

Result report certificate

Detection of mutation in dog PRC D gene

Customer

Ginny Verville
8414 N. Fork Siuslaw Rd.
97439 Florence, OR
United States

Sample

Sample: 14190
Name: Pockets Savannah Sue (Black-tri)
Breed: Toy Australian Shepherd
Reg. number: —
Microchip: —
Date of birth: 2011
Sex: female
Date received: 20.04.2012
Sample type: buccal swab

Result: N/N

Result codes:

N/N clear (normal homozygote)
N/P carrier (heterozygote)
P/P affected (mutated homozygote)

Explanation

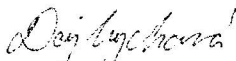
Mutation 1298G>A in PRC D gene in CFA9 (canine chromosome 9) has been examined. This mutation induces progressive retinal atrophy – prcd (progressive rod cone degeneration). Disease causes the degeneration of retinal cells in the eye. Firstly, rod cells are affected and the animal develops night blindness. Later, cone cells degenerate. That results in complete blindness of animal. The age of onset of disease varies, but, generally, it cannot be recognized before the adulthood of the animal.

Prcd-PRA is inherited as an autosomal recessive trait. That means the disease affects dogs with P/P genotype only. The dogs with P/N genotype are considered carriers of the disease (heterozygotes). In offspring of two heterozygous animals following genotype distribution can be expected: 25 % N/N (healthy non-carriers), 25 % P/P (affected), and 50 % N/P (healthy carriers).

The PRA-prcd mutation was found in following dog breeds: Am. Eskimo Dog, Austr. Cattle Dogs, Austr. Shepherd (normal, mini), Austr. Stumpy Tail Cattle Dog, Retriever (Chesapeake Bay, Golden, Labrador, Nova Scotia Duck Tolling), Chinese Crested Dog, Cockapoos, Cocker Spaniel (Am., Engl.), Basenji, Poodles (Dwarf, Miniature, Toy), Entlebucher Mountain Dog, Lapphund (Swedish, Finnish), Goldendoodle, Karelian Bear Dog, Kuvasz, Magyar Vizsla, Labradoodle, Lapponian Herder, Norwegian Elkhound, Papillon, Water Dog (Portuguese, Spanish), Terrier (Silky, Yorkshire). With lower probability, other breeds can be also affected by PRA-prcd.

Report date: 23.04.2012

Responsible person: Mgr. Markéta Dajbychová, Analyst



DAJBYCH SLOVAKIA, s.r.o., Madridská 3, 04013 Košice, Slovak Republic
ICO: 36186058, www.prcdtest.com, lab@prcdtest.com



CERTIFICATE OF RESULTS

OWNERS NAME: VIRGINIA VERVILLE
PET'S NAME**: POCKET'S SAVANNAH SUE

PET'S REGISTRATION #: DN34713101
PET'S BREED: MINIATURE AMERICAN SHEPHERD
TEST: HEREDITARY CATARACTS (HC)
DATE: August 20, 2014

Explanation of Results:

| <u>SCORE</u> | <u>MEANING</u> |
|--------------|----------------------|
| A | Clear/Normal |
| B | Carrier/Not Affected |
| C | At Risk/Affected |

TEST SCORE*:

A

SAMPLE ID #:

100 - 1567

For detailed result explanation
please visit our website:

www.GenSolDx.com

*All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

**GenSol warrants its test results to be accurate for the sample obtained from the above dog. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSOL BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**Please consult a licensed veterinarian
to discuss the implications of the above test results.**

P.O. Box 701492 Saint Cloud, FL 34770
(407) 530-3788 - info@Gensoldx.com

CERTIFICATE OF RESULTS

OWNERS NAME: VIRGINIA VERVILLE
PET'S NAME**: POCKET'S SAVANNAH SUE

PET'S REGISTRATION #: DN34713101
PET'S BREED: MINIATURE AMERICAN SHEPHERD
TEST: DEGENERATIVE MYELOPATHY (DM)
DATE: August 20, 2014

Explanation of Results:

| <u>SCORE</u> | <u>MEANING</u> |
|--------------|----------------------|
| A | Clear/Normal |
| B | Carrier/Not Affected |
| C | At Risk/Affected |

TEST SCORE*:

A

SAMPLE ID #:

100 - 1566

For detailed result explanation
please visit our website:

www.GenSolDx.com

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ORTHOPEDIC FOUNDATION FOR ANIMALS, INC.

POCKETS SAVANNAH SUE
registered name

MINIATURE AMERICAN SHEPHERD
breed

0A01413178
tattoo/microchip/DNA profile

1684661
application number

11/13/2014
date of report

RESULTS:

Based upon the radiograph submitted, the consensus was that no evidence of hip dysplasia was recognized. The hip joint conformation was evaluated as:

DN34713101
registration no.

F
sex

7/2/2011
date of birth

39
age at evaluation in months

MAS-1643F39F-VPI
O.F.A. NUMBER

This number issued with the right to correct or revoke by the Orthopedic Foundation for Animals.



A Not-For-Profit Organization



FAIR

owner

VIRGINIA VERVILLE
8414 N FORK SIUSLAW RD
FLORENCE, OR 97439

G.G. Keller, D.V.M., M.S., DACVR

G.G.KELLER, D.V.M., M.S., DACVR
CHIEF OF VETERINARY SERVICES

www.offa.org

AMERICAN KENNEL CLUB

NAME
POCKETS SAVANNAH SUE

BREED
MINIATURE AMERICAN SHEPHERD

COLOR
BLACK

SIRE
POCKET'S SIZZLE N RIO
MAS D09RV4035

DAM
POCKETS SHEZE MY STYLE
DN31378502 08-15

BREEDER
RUTH VANDERHOOF

OWNER

NUMBER
DN34713101

SEX
FEMALE

DATE OF BIRTH
JULY 2, 2011



AMERICAN
KENNEL CLUB®

CERTIFICATE ISSUED
MAY 31, 2015

This certificate invalidates all previous certificates issued.

If a date appears after the name and number of the sire and dam, it indicates the issue of the Stud Book Register in which the sire or dam is published.

For Transfer Instructions, see back of Certificate.

This Certificate issued with the right to correct or revoke by the American Kennel Club.

REGISTRATION CERTIFICATE

Pedigree of:

INT. CH Pockets Savannah Sue

Date of Birth: 7/2/2011
 Color & Markings: Black Tri
 Owned By: Virginia Verville

Sex: F
 Breed: Miniature Australian Shepherd
 Reg No.:
 Bred By: Ruth Vanderhoof

| PARENTS | GRANDPARENTS | GREAT GRANDPARENTS | GREAT GREAT GRANDPARENTS |
|--|--|--|--|
| SIRE: Pockets Sizzle N Rio Reg No: D09RV4035 | Pocket,s Sizzle N Red N Hot D08RV3328 | Southern Cross Whats Your Alibi ASDT-OR-0600015 | Goforth Northern Lights Red Devon (1)MA202,231-09164 Southern Cross Charolais TASS201,601-7224 |
| | | Southern Cross Lll Josie TASS201,603-07224 | Waggin Tail Boomer MA 3622-08180 Waggin Tail Matilda MA 4173-05311 |
| DAM: Pockets Sheze My Style Reg No: B09RV3823 | Pockets Lilliputian B07RV3826 | INT. CH Southern Cross Miss Be Haven TAS 211,017-0Z37 | Waggin Tail's Garth of Leading Star TAS 105-02283 Southern Cross Lll Josie TASS201,603-07224 |
| | | Southern Cross Whats Your Alibi ASDT-OR-0600015 | Goforth Northern Lights Red Devon (1)MA202,231-09164 Southern Cross Charolais TASS201,601-7224 |
| | | Pockets Black Magic B05HS4275 | Int CH Schuldawn Blake MA 4742-04182 INT. CH Pocket's She's so Sassy ASDR-OR-0600031 |
| | | Int CH Schuldawn Blake MA 4742-04182 | Heichels #1 Aussie DL67151302 A10137397187 Heichel's Lll Cricketty Anne MA4536-0Y131 |
| Pocket's Plum Pretty MA203,617-0415 | INT. CH Waggin Tail's Shedaisy TAS 089-0232 | C Bar Little Bits TX Kid MA 4586-0Z31 Scatter Creek Blue Bell MA 1160-97264 | |

I, the undersigned do hereby certify that the foregoing particulars are correct to the best of my knowledge and belief.

SIGNED _____

DATE _____