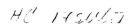
Certificate of Pedigree									
Name:	Away To Me Nike Blue	Sex:	M	Whelped:	3/15/2010	Reg No.: <u>D10SW4307</u>			
Colour & Markings	Blue Merle/White/Cop	per RF			Breed	: Miniature Australian Shepher			
Owner: Shana Witbeck			Breede	er: S <u>hana Wit</u>	bedk				
	Int CH Podrets Sizzle N Red N			s Whats Your	Northern Lights Red Deavon				
	Ruth Vander	rhoof		└─ Southern Cro	L Southern Cross Charloise				
	Ruth Vanderhoof			sie (Punkin)	- Waggin Tail Boomer				
Away To Me Cadi	Away To Me Cadillac Jack				Waggin Tail Matilda				
Shana Witbeck		Woodcocks	Jr.		- Driscoll's Lit'l Boy Blue				
	Int CH Pocket's Jade Precious Gem Of Away To Me Shana Witbeck  Woodcock's Jr.		od coods		Woodcock's LittleTyke				
,			Int CH Pockets Raven Beauty			Int CH Rarities Schuldawn Blake			
			rhoof		Stein's Just Zena				
			1 Boy Bli	ıe	CValhalla's Buddy				
					Drew's Baby Tears				
	Beverly Woodcock			₽	- Shorty Boy of Ausland				
	Int CH Pocket's Jade Precious		· ·						
Gem Of Away To Me Shana Witbeck		Int CH Rarit	ies Schul	dawn Blake	Heichels #1 aussie				
	Int CH Pockets Raven Beauty	Ruth Vanderhoof Stein's Just Zena			Heichels LiL Cricketty Anne				
, the undersigned do hereby o	Ruth Vanderhoof				Stein's Little Bud Lite				
particulars are correct to the best of my knowledge and belief					Stein's Jersey Girl				
SIGNED	DATE								

From: Shana Witbeck shanawitbeck@gmail.com

Subject: Emailing: Image (56).jpg
Date: February 16, 2016 at 4:22 PM
To: Lori Phelps lorimphelps@gmail.com



Result certificate #015934:

Detection of g.85286582delC mutation causing hereditary cataract in Australian Shepherds by fragment analysis

Sample

Sample: 12-00225

Name: Away To Me Nike Blue

Breed: Miniature Australian Shepherd

Reg. number: DN31803801

Microchip: -

Date of birth: March 15, 2010

Sex: male

Date received: 16.01.2012 Sample type: buccal swab Customer Shana Witbeck 3836 N Dry Fork Cyn Rd 84078 Vernal United States

Result: Mutation was not detected (N/N)

#### Explanation

Presence or absence of mutation g.85286582delC in H5F4 gene causing hereditary cataract (HC) in Australian Shepherds was tested. Presence of deletion is connected with development of binocular cataract in different age of the dog. Generally, the mutation is inherited in autosomal dominant trait with incomplete penetration. It means that carriers do not need to be affected with HC; there is also possibility involving other genetic or environmental factors.

individuals with one deleted attele (result N/P, negative/positive) have approximately 17-time ingiter risk of pinocular catalact than the individuals without any deleted attele (result N/N). The terrozygous individuals (N/P) are in higher risk of the disease and they transfer the mucation to their offspring.

This test does not exclude existence of any other unknown mutation of HSF4 gene nor different gene responsible for hereditary cataract.

Method: SOP25

Report date: 24.01.2012

Responsible person: Mgr. Markéta Dajbychová, Deputy Laboratory Manager

Genomia s.r.o, Teslova 3, 30100 Plzeň, Czech Republic, IČZ: 44929000 www.genomia.cz, laborator@genomia.cz, tel: +420 378 051 410

From: Shana Witbeck shanawitbeck@gmail.com

Subject: Emailing: Image (57).jpg Date: February 16, 2016 at 4:25 PM To: Lori Phelps lorimphelps@gmail.com





850 E. Spokane Falls Blvd., Suite 200 Spokane, Washington 99202 www.pawprintgenetics.com (509) 483-5950

## Laboratory Report

Laboratory #: Order #:

5857

1877

Ordered By:

Shana Witbeck Nov. 19, 2014

Ordered: Received: Reported:

March 23, 2015

March 28, 2015

**Breed:** Sex:

Call Name:

DOB:

**Registered Name:** 

Microchip #:

Nike

Away To Me Nike Blue

Miniature American Shepherd

Male

March 2010 Registration #: DN31803801

avid074323001

#### Results:

Disease

Gene

Genotype

Interpretation

NHEJ1

WT/WT

Normal

WT, wild type (normal); M, mutant

#### Interpretation:

Collie eye anomaly

Molecular genetic analysis was performed for a specific mutation of the NHE/1 gene reported to be associated with collie eye anomaly in dogs. We identified two normal copies of the DNA sequences in the gene tested.

#### **Recommendations:**

No mutations were identified. Thus, this dog is not at an increased risk for the disease caused by or associated with the mutation tested. Normal results do not exclude inherited mutations not tested in this gene or other genes that may cause medical problems or may be passed on to offspring. Paw Print Genetics™ has genetic counseling available to you at no additional charge to answer any questions about these test results, their implications and potential outcomes in breeding this dog.

Blake C Ballif, PhD

Laboratory & Scientific Director

( Sally

Casey R Carl, DVM

**Associate Medical Director** 

Normal results do not exclude inherited mutations not tested in these or other genes that may cause medical problems or may be passed on to offspring. These tests were developed and their performance determined by Paw Print Genetics. This laboratory has established and verified the tests' accuracy and precision. Because all tests performed are DNA-based, rare genomic variations may interfere with the performance of some tests producing false results. If you think these results are in error, please contact the laboratory immediately for further evaluation.

From: Shana Witbeck shanawitbeck@gmail.com &

Subject: Emailing: Image (58).jpg
Date: February 16, 2016 at 4:26 PM
To: Lori Phelps | Iorimphelps@gmail.com

PREDTEST, COM

12.1x

# Result report certificate Detection of mutation in dog PRCD gene

Customer Shana Witbeck 3836 N Dry Fork Cyn Rd 84078 Vernal United States

#### Sample

Sample: 11898

Name: Away To Me Nike Blue

Breed: Miniature Australian Shepherd

Reg. number: DN31803801

Microchip: -

Date of birth: March 15, 2010

Sex: male

Date received: 16.01.2012 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 PRCD 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: 19.01.2012

Responsible person: Mgr. Markéta Pajbychová, Analyst

n. 1

PRCD CERTIFICATE From: Shana Witbeck shanawitbeck@gmail.com

Subject: Emailing: Image (59).jpg
Date: February 16, 2016 at 4:28 PM
To: Lori Phelps lorimphelps@gmail.com



1336 Timberlane Road Tallahassee, FL 32312-1766

Bobtail

Generated On: 7/16/2014

# Canine Genetic Testing Report



Submitted By	AG120402				
Ashley Badgett					
P.O. Box 921 Pocahontas, AR 72455					

Date Received: 7/10/2014

Dog Name: Away To Me Nike Blue
Breed: Miniature American Shepherd

Sex: Male

Registration: DN31803801

Sex: Male

Phenotype: Blue Merle Birth: 03/15/2010

 Sire
 Dam

 Sire Name:
 Dam Name:

 Breed:
 Breed:

 Registration:
 Registration:

 Phenotype:
 Phenotype:

C	at Color/Typ	pe Tes	ting	G	eneti	c Disorc	ders				
	A Locus-Ay				Co	ne Deg.					
	A Locus-At				C	CMR1					
	A Locus-a			x		DM	n/n	Clear: Dog is neg mutation.	gative for the D	egenerative My	elopathy
	B Locus					нс			<del></del>		
	D Locus				٨	MDR1					
	E Locus- EM									15	
X	E Locus- e	E/e	Dog carries the allele responsible for the yellow coat color, and could pass on either allele to any offspring	1.1	Genetic Marker Results Run Date:						
	K Locus-KB				•			-	-	-	
	Spotting			AI	17121	AHT137	AHTO	21 AH 1-260	AH73911	AHTK263	Cank
	Hair Length			CAI	T V AMEL	FH2364	FH28	48 138A21	MU908.	'NUOSO	1.00
	Hair Curl				<u>-</u>	-	-	-	<u> </u>		
	Furnishings				VS4P)1	Rennezoc	4] [HEIVIES	DENTATORS	RENJETME	]	

Cone Deg. = Cone Degeneration
CMR1 = Canine Multifocal Retinopathy Type 1
DM = Degeneration Myelopathy
HC = Meachings Contractor

Additional Comments

HC = Hereditary Cataracts

MDR1 = Multi-Drug Resistance

From: Shana Witbeck shanawitbeck@gmail.com &

Subject: Emailing: Image (60).jpg
Date: February 19, 2016 at 8:53 PM
To: Lori Phelps | lorimphelps@gmail.com





AG106455

1336 Timberlane Road Tallahassee, FL 32312-1766

Submitted By

Generated On: 7/23/2010

## Canine Genetic Testing Report

2

Date Received: 7/6/2010 Subject Dog Registration: Dog Name: CJ Breed: Miniature Australian Shepherd Sex: Male Birth: Phenotype: Red Tri Dam Sire Dam Name: Prockets Precious Jade Sire Name: Pockets Sizzle N Hot Breed: Miniature Australian Shepherd Breed: Miniature Australian Shepherd Registration: Registration: Phenotype: Blue Merle Phenotype: Red Tri Coat Color/Type Testing **Genetic Disorders** A Locus Cystinuria B Locus CNM D Locus **EIC** Clear- Dog tested negative for the HSF-4 Hereditary Cataracts E Locus X HC n/n Clear-Only normal unaltered allele detected. Dog should not exhibit any sensitivity to ivermedin or other drugs associated K Locus X MDR1 with this disorder. NCL Length **PFKD** cord1-PRA Carrier-Linkage analysis indicates dog is a carrier of the prod **Additional Comments** X prcd-PRA

CNM = Centronuclear Myopathy
EIC = Exercise-Induced Collapse
MDR1 = Multi-Drug Resistance
NCL = Neuronal Ceroid Lipofuscinosis
PFKD = Phosphofructokinase Deficiency
prcd-PRA = Progressive Rod-Cone Degeneration