

Canine Genetic Health Certificate™

Call Name:	Phoenix	Laboratory #:	15358
Registered Name:	Gemstones Pheonix Rising @Trailsend	Registration #:	DN44701503
Breed:	Miniature American Shepherd	Microchip #:	900164001255005
Sex:	Female	Certificate Date:	Sept. 26, 2016
DOB:	Nov. 2015		

This canine's DNA showed the following genotype(s):

Disease	Gene	Genotype	Interpretation
Collie Eye Anomaly	<i>NHEJ1</i>	WT/WT	Normal (clear)
Cone Degeneration	<i>CNGB3</i>	WT/WT	Normal (clear)
Degenerative Myelopathy	<i>SOD1</i>	WT/WT	Normal (clear)
Hereditary Cataracts (Australian Shepherd Type)	<i>HSF4</i>	WT/WT	Normal (clear)
Hyperuricosuria	<i>SLC2A9</i>	WT/WT	Normal (clear)
Multidrug Resistance 1	<i>ABCB1</i>	WT/WT	Normal (clear)
Multifocal Retinopathy 1	<i>BEST1</i>	WT/WT	Normal (clear)
Neuronal Ceroid Lipofuscinosis 6	<i>CLN6</i>	WT/WT	Normal (clear)
Progressive Retinal Atrophy, Progressive Rod-Cone Degeneration	<i>PRCD</i>	WT/WT	Normal (clear)

WT, wild type (normal); M, mutant



Blake C Ballif, PhD
Laboratory & Scientific Director



Casey R Carl, DVM
Associate Medical Director

Paw Print Genetics® performed the tests listed on this dog. See the Laboratory Report for interpretation and recommendations based on these findings. The genes/diseases reported here were selected by the client. 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. In the event of a valid dispute of results claim, Paw Print Genetics will do its best to resolve such a claim to the customer's satisfaction. If no resolution is possible after investigation by Paw Print Genetics with the cooperation of the customer, the extent of the customer's sole remedy is a refund of the fee paid. In no event shall Paw Print Genetics be liable for indirect, consequential or incidental damages of any kind. Any claim must be asserted within 60 days of the report of the test results. Genetic counseling is available at Paw Print Genetics.

Orthopedic Foundation for Animals Preliminary (Consultation) Report



A Not-For-Profit
Organization

GEMSTONE'S RISING OF
registered name THE PHOENIX @TRAILSEND

MINIATURE AMERICAN SHEPHERD
breed

900164001255005
tattoo/microchip/DNA profile

1898827
application number

film/case no(s)

DN44701503
registration number

F
sex

11/10/2015
date of birth

20
age at evaluation in months

7/25/2017
date of report

Owner

SHANNON HUNTER

Veterinarian

TIMBERLAND VETERINARY HOSPITAL
2150 US HWY 12
ETHEL, WA 98542

RADIOGRAPHIC EVALUATION OF PELVIC PHENOTYPE WITH RESPECT TO HIP DYSPLASIA

* The study must be repeated when the animal is 24 months of age or older to qualify for an OFA number.

EXCELLENT HIP JOINT CONFORMATION*
superior hip joint conformation as compared with other individuals of the same breed and age

GOOD HIP JOINT CONFORMATION*
well formed hip joint conformation as compared with other individuals of the same breed and age

FAIR HIP JOINT CONFORMATION*
minor irregularities of the hip joint conformation as compared with other individuals of the same breed and age

BORDERLINE HIP JOINT CONFORMATION
marginal hip joint conformation of indeterminate status with respect to hip dysplasia at this time – **Repeat study in six months**

MILD HIP DYSPLASIA
radiographic evidence of minor dysplastic changes of the hip joints

MODERATE HIP DYSPLASIA
well defined radiographic evidence of dysplastic changes of the hip joints

SEVERE HIP DYSPLASIA
radiographic evidence of marked dysplastic changes of the hip joints

HIP JOINTS - STANDARD VD VIEW

- subluxation
- remodeling of femoral head/neck
- osteoarthritis/degenerative joint disease
- shallow acetabula
- acetabular rim/edge change
- unilateral pathology left right
- transitional vertebra
- spondylosis
- panosteitis
- other

RADIOGRAPHIC FINDINGS

ELBOW JOINTS – FLEXED LATERAL VIEW

negative for elbow dysplasia L R

ELBOW DYSPLASIA

Grade I	L <input type="checkbox"/>	R <input type="checkbox"/>
Grade II	L <input type="checkbox"/>	R <input type="checkbox"/>
Grade III	L <input type="checkbox"/>	R <input type="checkbox"/>

RADIOGRAPHIC FINDINGS

degenerative joint disease (DJD)	L <input type="checkbox"/>	R <input type="checkbox"/>
united anconeal process (UAP)	L <input type="checkbox"/>	R <input type="checkbox"/>
fragmented coronoid process (FCP)	L <input type="checkbox"/>	R <input type="checkbox"/>
osteochondrosis	L <input type="checkbox"/>	R <input type="checkbox"/>

Consultation by:

G.G. Keller DVM

G.G. KELLER, DVM, MS, DACVR
CHIEF OF VETERINARY SERVICES