



## Canine Genetic Health Certificate<sup>TM</sup>

**Call Name:** Boomer  
**Registered Name:** Freestyles Bada Bing Bada Boom  
**Breed:** Australian Shepherd  
**Sex:** Male  
**DOB:** Feb. 2015

**Laboratory #:** 17327  
**Registration #:** DN42720102  
**Certificate Date:** Nov. 16, 2015

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

Disease	Gene	Genotype	Interpretation
Collie eye anomaly	<i>NHEJ1</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)
Multidrug resistance 1	<i>ABCB1</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

Paw Print Genetics<sup>TM</sup> 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. Genetic counseling is available at Paw Print Genetics.

**Christina J Ramirez, PhD, DVM, DACVP**  
Medical Director

**Casey R Carl, DVM**  
Associate Medical Director



## Canine Genetic Testing Report



Submitted By AG114023

Sue Carfield  
J Bar S Stables  
1544 Aaron Road  
Vevay, IN 47043

### Subject Dog

Date Received: 10/24/2014

Dog Name: **Rena (Pending)**  
Breed: Australian Shepherd  
Phenotype: Red-Tri

Registration: DN38047701  
Sex: Female  
Birth: 10/30/2013

### Sire

Sire Name: Excalibur Sir Lancelot  
Breed: Australian Shepherd  
Registration: DN26986505  
Phenotype: Red Tri

### Dam

Dam Name: Carfield's Dream Catcher  
Breed: Australian Shepherd  
Registration: DN27211002  
Phenotype: Red Merle

### 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

X	Cone Deg.	n/n	Clear: Dog tested negative for the Cone Degeneration mutation.
X	CEA	n/n	Clear: -
X	CMR1	n/n	Clear: Dog tested negative for Canine Multifocal Retinopathy Type 1.
X	DM	n/n	Clear: Dog is negative for the Degenerative Myelopathy mutation.
X	HC	n/n	Clear: Dog tested negative for the HSF-4 Hereditary Cataracts mutation.
	HUU		Not Tested
X	MDR1	n/M1	Carrier: Dog carries one copy of the mutation and may pass it on to offspring. May experience some sensitivity to ivermectin or other associated drugs

### Genetic Marker Results

Run Date: 10/24/2014

-	-	-	-	-	-	-
AHT121	AHT137	AHT171	AHT260	AHT211	AHT253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-	-	-
REN54P11	REN162C04	REN169D01	REN169Q18	REN247M23		

### Additional Comments

Cone Deg. = Cone Degeneration  
CEA = Collie Eye Anomaly  
CMR1 = Canine Multifocal Retinopathy Type 1  
DM = Degenerative Myelopathy  
HC = Hereditary Cataracts  
HUU = Hyperuricosuria  
MDR1 = Multi-Drug Resistance



## CERTIFICATE OF RESULTS

OWNER'S NAME: TIFFANY WILSON  
PET'S NAME\*\*: INDIGO  
  
PET'S REGISTRATION #: NOT PROVIDED  
PET'S BREED: AUSTRALIAN SHEPHERD  
TEST: MULTIDRUG SENSITIVITY (MDR1)  
DATE: 2/23/2018

### Explanation of Results:

<u>SCORE</u>	<u>RECESSIVE</u>	<u>DOMINANT</u>
A	Clear/Normal	Clear/Normal
B	Carrier/Not Affected	Carrier/Affected
C	At Risk/Affected	At Risk/Affected

### TEST SCORE\*:

A

SAMPLE ID #:

89507

For detailed result explanation  
please visit our website:

[www.GenSolDx.com](http://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 GEN SOL 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.**

125 North Main Street Unit 1846, Clayton, GA 30525

(407) 530-3788 - [info@Gensoldx.com](mailto:info@Gensoldx.com)

**WWW.GENSOLDX.COM**