

## Canine Genetic Testing Report

Submitted By
Teresea Welch Lightning Arrow Ranch 499 County Road 4211 Simms, TX 75574



### Subject Dog

Date Received: 10/20/2015

Dog Name: <b>2nd Iron's Live For the Applause</b> Breed: Australian Shepherd Phenotype: Red Bi	Registration: DN38281801 Sex: Female Birth: 11/14/2013
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<b>Sire</b> Sire Name: Breed: Registration: Phenotype:	<b>Dam</b> Dam Name: Breed: Registration: Phenotype:
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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: Dog tested negative for the Collie Eye Anomaly mutation.
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/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	AHTk211	AHTk253	C22-279
-	-	-	-	-	-	-
CAN-AMEL	FH2054	FH2848	INRA21	INU005	INU030	INU055
-	-	-	-	-		
REN54P11	REN162C04	REN169D01	REN169O18	REN247M23		

Additional Comments
None

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