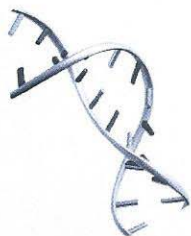


## Canine Genetic Testing Report

Submitted By
Kathy Males
13655 W. Greenview Drive Wadsworth, IL 60083



### Subject Dog

Date Received: 11/11/2014

Dog Name: <b>Nineveh's Keyloh of Mekkado</b>	Registration: E181573
Breed: Australian Shepherd	Sex: Female
Phenotype: Blue Merle	Birth: 2010

### Sire

Sire Name: Starstuff Rapture Ready
Breed: Australian Shepherd
Registration: E143732
Phenotype: Red Merle

### Dam

Dam Name: Twin Oaks Ruth
Breed: Australian Shepherd
Registration: E146069
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

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		

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

### Additional Comments

None