

## Canine Genetic Testing Report

Submitted By
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### Subject Dog

Date Received: 10/20/2015

Dog Name: <b>Welch's Toby</b>	Registration: <b>DN41419401</b>
Breed: <b>Australian Shepherd</b>	Sex: <b>Male</b>
Phenotype: <b>Blue Merle</b>	Birth: <b>11/08/2010</b>

Sire	Dam
Sire Name:	Dam Name:
Breed:	Breed:
Registration:	Registration:
Phenotype:	Phenotype:

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