

## Equine Genetic Testing Report

Submitted By
Coyote Ridge Ranch, LLC
Mulberry, AR 72947



<b>Subject Horse</b>	Date Received: 9/16/2011
Horse Name: <b>Miss Knoxville Girl</b>	Registration: 3630156
Breed: Quarter Horse	Sex: Mare
Phenotype: Sorrel	Birth: 1997

<b>Sire</b>
Sire Name: Blue Crusader
Breed: Quarter Horse
Registration: 3041619
Phenotype: Bay Roan

<b>Dam</b>
Dam Name: Smooth Jannah Girl
Breed: Quarter Horse
Registration: 3339499
Phenotype: Chestnut

Coat Color and Pattern Testing			
	Tobiano		Not Tested
	Frame Overo		Not Tested
	Sabino 1		Not Tested
	Appaloosa (LP)		Not Tested
	Red/Black Factor		Not Tested
<b>X</b>	Agouti	aa	Non-Agouti. If horse is black based (E), black pigment will be evenly distributed.
	Cream Dilution		Not Tested
	Silver Dilution		Not Tested
	Champagne		Not Tested
	Pearl Dilution		Not Tested
	Gray		Not Tested

Genetic Disorders			
<b>X</b>	HYPP	n/n	Negative for the HYPP gene mutation.
<b>X</b>	HERDA	N/N	Negative for the HERDA gene mutation.
<b>X</b>	GBED	N/N	Negative for the GBED gene mutation.
<b>X</b>	PSSM 1	n/n	Negative for the PSSM Type 1 gene mutation.
<b>X</b>	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
	JEB		Not Tested
	CA		Not Tested
	LFS		Not Tested

<b>Additional Comments</b>
None

Genetic Marker Result							Run Date: Not Tested
-	-	-	-	-	-	-	
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK	
-	-	-	-	-	-	-	
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33	
-	-	-	-	-	-	-	
VHL20	UM011	HMS1	HMS2	HTG6	HTG7		

CA = Cerebellar Abiotrophy  
 GBED = Glycogen branching enzyme deficiency  
 HERDA = Hereditary equine regional dermal asthenia  
 HYPP = Hyperkalemic Periodic Paralysis  
 JEB1 = Junctional Epidermolysis Bullosa - Belgian Draft Horse  
 JEB2 = Junctional Epidermolysis Bullosa - American Saddlebred  
 LFS = Lavender Foal Syndrome  
 LWO = Lethal White Overo  
 MH = Malignant Hyperthermia

Thank you for choosing Animal Genetics Inc.