Equine Genetic Testing Report

Submitted By

Coyote Ridge Ranch, LLC

Mulberry, AR 72947

Subject Horse

Date Received: **4/27/2012**

Horse Name: **Blues Pole Cat**
Breed: Quarter Horse
Phenotype: Black

Registration: 3104413
Sex: Mare
Birth: 1992

Sire

Sire Name: Plenty Try
Breed: Quarter Horse
Registration: 1894414
Phenotype: Blue Roan

Dam

Dam Name: Blue Fox Hastings
Breed: Quarter Horse
Registration: 1133115
Phenotype: Red Roan/ Bay Roan

Coat Color and Pattern Testing

Test	Result
Tobiano	Not Tested
Frame Overo	Not Tested
Sabino 1	Not Tested
Appaloosa (LP)	Not Tested
Red/Black Factor	Not Tested
Agouti	Not Tested
Cream Dilution	Not Tested
Silver Dilution	Not Tested
Champagne	Not Tested
Pearl Dilution	Not Tested
Gray	Not Tested
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Genetic Disorders

	Disorder	Result	Description
X	HYPP	n/n	Negative for the HYPP gene mutation.
X	HERDA	N/N	Negative for the HERDA gene mutation.
X	GBED	N/N	Negative for the GBED gene mutation.
X	PSSM 1	n/n	Negative for the PSSM Type 1 gene mutation.
X	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

Genetic Marker Results

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
PSSM1 = Polysaccharide Storage Myopathy - Type 1

Additional Comments

None

Thank you for choosing Animal Genetics Inc.