

Equine Genetic Testing Report

Submitted By	AG104747
Robin DeGraff DeGraff Stables, Inc. PO Box 4350 Midway, KY 40347	



Subject Horse	Date Received: 11/10/2011
Horse Name: Hot Lopin Sensation Breed: Quarter Horse Phenotype: Bay Overo	Registration: 807,540 Sex: Stallion Birth: 2004

Sire
Sire Name: Zippos Sensation Breed: Quarter Horse Registration: 255,564 Phenotype: Sorrel Overo

Dam
Dam Name: Good Enchantment Breed: Quarter Horse Registration: Q3537188 Phenotype: Bay

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
Agouti	Not Tested
Cream Dilution	Not Tested
Silver Dilution	Not Tested
Champagne	Not Tested
Pearl Dilution	Not Tested
Gray	Not Tested

Genetic Disorders			
	HYPP		Not Tested
X	HERDA	N/Hrd	Carrier. Horse is heterozygous and a carrier of the HERDA gene mutation.
X	GBED	N/Gb	Carrier. Horse is heterozygous and a carrier of the GBED gene mutation.
X	PSSM 1	n/n	Negative for the PSSM Type 1 gene mutation.
	MH		Not Tested
	JEB		Not Tested
	CA		Not Tested
	LFS		Not Tested

Additional Comments
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.