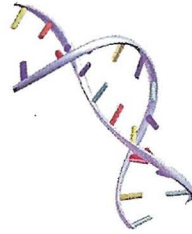


Equine Genetic Testing Report



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

Subject Horse	Date Received: 11/10/2011
Horse Name: Frosty The Goodbar Breed: Quarter Horse Phenotype: Red Roan	Registration: 3762838 Sex: Stallion Birth: 1999

Sire
Sire Name: Zippos Mr Goodbar Breed: Quarter Horse Registration: 2259600 Phenotype: Red Roan

Dam
Dam Name: Invest A Step Breed: Quarter Horse Registration: 2577361 Phenotype: Sorrel

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
	HERDA		Not Tested
X	GBED	N/N	Negative for 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.