

Equine Genetic Testing Report



Submitted By	AG112954
Tammy Stewart	
P.O. Box 429 Spruce Home, SK S0J 2N0 CANADA	

Subject Horse	Date Received: 12/28/2013
Horse Name: Smart N Reddy Jac Breed: Quarter Horse Phenotype: Dunalino Sex: Mare	Lab Reference #: 00051517 Registration: 5387988 Birth: 2011

Sire
Sire Name: Doll Docsan Breed: Quarter Horse Registration: 4153838 Phenotype: Red Dun

Dam
Dam Name: All Reddy Driftwood Breed: Quarter Horse Registration: 4645754 Phenotype: Red Dun

Coat Color and Pattern Testing		
Tobiano		Not Tested
Frame Overo		Not Tested
Sabino 1		Not Tested
Splashed White 1		Not Tested
Splashed White 2		Not Tested
Splashed White 3		Not Tested
Appaloosa (LP)		Not Tested

Genetic Disorders			
X	HYPP	n/n	Clear: Negative for the HYPP gene mutation.
X	HERDA	N/N	Clear: Negative for the HERDA gene mutation.
X	GBED	N/N	Clear: Negative for the GBED gene mutation.
X	PSSM 1	n/n	Clear: 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

Red/Black Factor		Not Tested
Agouti		Not Tested

	Cream Dilution		Not Tested
X	Dun Dilution	Dd	Heterozygous. Horse carries one copy of the Dun Dilution gene.
	Silver Dilution		Not Tested
	Champagne		Not Tested
	Pearl Dilution		Not Tested

	Gray		Not Tested
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Genetic Marker Results	Run Date: Not Tested
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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

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