

Equine Genetic Testing Report

Submitted By
Peter & Missy Benker Secret Hills Ranch 2715 South Grade Road Alpine, CA 91901



Subject Horse

Date Received: 6/3/2015

Horse Name: SHR Qts Diamondcutter Breed: Paint Horse Phenotype: Buckskin Sex: Stallion	Lab Reference #: 00069893 Registration: Pending Birth: 2015
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Sire	Dam
Sire Name: QTs Gold Mastercard Breed: Paint Horse Registration: 75430 Phenotype: Buckskin	Dam Name: Diamonds & Spots Breed: Paint Horse Registration: Phenotype: Bay

Coat Color and Pattern Testing		
X	Tobiano	TT Homozygous. Horse carries two copies of the Tobiano gene. This horse will always produce Tobiano offspring.
	Frame Overo	Pending
	Sabino 1	Pending
	Splashed White 1	Pending
	Splashed White 2	Pending
	Splashed White 3	Pending
	Appaloosa (LP)	Pending

X	Red/Black Factor	EE Homozygous for Black Factor. Horse carries two copies of the Black gene. Horse is Black based.
X	Agouti	Aa Heterozygous. Horse carries one copy of the Agouti gene.
	Cream Dilution	Pending
	Dun Dilution	Pending
	Silver Dilution	Pending
	Champagne	Pending
	Pearl Dilution	Pending
	Gray	Pending
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Additional Comments

None

Genetic Disorders		
	HYPP	Pending
X	HERDA	N/N Clear: Negative for the HERDA gene mutation.
	GBED	Pending
	PSSM 1	Pending
	MH	Pending
	JEB	Pending
	CA	Pending
	LFS	Pending

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

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