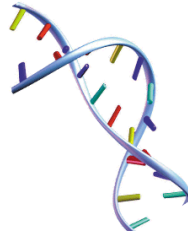


Equine Genetic Testing Report



Submitted By
Ruby Hilton SunQuest Farms 16601 Eight Mile Rd Esckridge, KS 66423

Subject Horse

Date Received: 9/21/2015

Horse Name: SunQuest Supernova Breed: Quarter Horse Phenotype: Dun Sex: Mare	Lab Reference #: 00073743 Registration: AQHA 5670252 Birth: 2015
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Sire	Dam
Sire Name: SunQuest Half Pint Breed: Quarter Horse Registration: AQHA 3400934 Phenotype: Dun	Dam Name: SunQuest Joana Ark Breed: Quarter Horse Registration: AQHA 4962579 Phenotype: Grulla

Coat Color and Pattern Testing

Tobiano		Pending
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
X	Dun Dilution	Dd	Heterozygous. Horse carries one copy of the Dun Dilution gene.
	Silver Dilution		Pending
	Champagne		Pending
	Pearl Dilution		Pending
	Gray		Pending

Additional Comments

None

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		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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