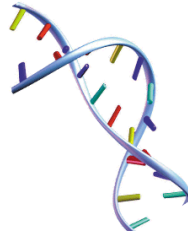


Equine Genetic Testing Report



Submitted By

Samantha VanSickle
Starfire Gypsy Horses
P.O. Box 125
Dobbins, CA 95935

Subject Horse

Date Received: 5/3/2013

Horse Name: **Starfire Atlas**
Breed: **Gypsy Cob**
Phenotype: **Tobiano**
Sex: **Colt**

Lab Reference #: **00044992**
Registration:
Birth: **2013**

Sire

Sire Name: **Rock Ranch Bjorn**
Breed: **Gypsy Cob**
Registration:
Phenotype: **Bay**

Dam

Dam Name: **Starfire Masque**
Breed: **Gypsy Cob**
Registration:
Phenotype: **Black/White Tobiano**

Coat Color and Pattern Testing

X	Tobiano	nT	Heterozygous. Horse carries one copy of the Tobiano gene.
	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	Non-Agouti. If horse is black based (E), black pigment will be evenly distributed.
	Cream Dilution		Pending
	Dun Dilution		Pending
	Silver Dilution		Pending
	Champagne		Pending
	Pearl Dilution		Pending
	Gray		Pending
	-----		-

Genetic Disorders

	HYPP		Pending
	HERDA		Pending
	GBED		Pending
X	PSSM 1	n/n	Clear: Negative for the PSSM Type 1 gene mutation.
	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

Thank you for choosing Animal Genetics Inc.

Additional Comments

None