

## Equine Genetic Testing Report



**Submitted By**

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**Subject Horse**

Date Received: 5/29/2018

Horse Name: **Xtremely Intoxicatin**  
Breed: **Quarter/Paint Horse**  
Phenotype: **Sorrel Overo**  
Sex: **Mare**

Lab Reference #: **00110193**  
Registration: **1,028,541/5519967**  
Birth: **2013**

**Sire**

Sire Name:  
Breed:  
Registration:  
Phenotype:

**Dam**

Dam Name:  
Breed:  
Registration:  
Phenotype:

Coat Color and Pattern Testing			
X	Tobiano	nn	Negative for Tobiano.
X	Frame Overo	nO	Heterozygous. Horse carries one copy of the LWO gene. Horse will usually exhibit the frame overo pattern.
X	Sabino 1	nn	Negative for the Sabino 1 gene.
X	Splashed White 1	nn	Negative for the Splashed White SW1 mutation.
X	Splashed White 2	nn	Negative for the Splashed White SW2 mutation.
X	Splashed White 3	n/SW3	Heterozygous. Horse has one copy of the Splashed White SW3 mutation.
X	Appaloosa (LP)	lp/lp	Tested negative for the main Appaloosa LP gene and is NOT affected by CSNB.
X	PATN1	n/n	Negative: Horse does not carry the PATN-1 gene mutation.
X	Red/Black Factor	ee	Homozygous Red. Horse carries two copies of the Red gene. Horse has a red base pigment.
X	Agouti	AA	Homozygous for Agouti. Horse carries two copies of the Agouti gene.
X	Cream Dilution	nn	Negative for Cream Dilution.
X	Dun Dilution	dd	Negative for currently known markers associated with Dun Dilution.
X	Silver Dilution	nn	Negative for Silver Dilution.
X	Champagne	nn	Negative for Champagne Dilution.
X	Pearl Dilution	nPr1	Heterozygous. Horse carries one copy of the Pearl Dilution gene.
	Gray		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	MH	n/n	Clear: Negative for the MH gene mutation found in Quarter horses and related breeds.
X	PSSM 1	n/n	Clear: Negative for the PSSM Type 1 gene mutation.
	FIS		Not Tested
	JEB1		Not Tested
	JEB2		Not Tested
	CA		Not Tested
	LFS		Not Tested
	SCID		Not Tested
	OAAM1		Not Tested
	HWSD		Not Tested
	WFFS1		Not Tested

**Additional Comments**

nO: Horse is a carrier of the LWO gene. There is a 25% risk of a lethal foal if this horse is bred to another LWO carrier.

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		