

Animal Genetics, Inc. 1336 Timberlane Road Tallahassee, FL 32312-1766

### **Equine Test Results**

Name: Tammy Brown

Account#: 125972

Business: Lucky B Ranch

Email: westernpleasure4me@yahoo.com

Date Received: 12/12/2016

Horse Name	Breed	Rfactor	Agouti	Cream	Dun	Silver	Cham	Pearl	НҮРР	Herda	GBED	PSSM1	МН
Libby	Quarter Horse	Ee	АА	nn	dd	nn	nn	nn	n/n	N/N	N/N	n/n	n/n

#### Result Guide:

#### Red/Black Factor

EE Homozygous for Black Factor. Horse carries two copies of the Black gene. Horse is Black based.

Ee Heterozygous. Horse is Black based but carries a recessive copy of the Red gene.

ee Homozygous Red. Horse carries two copies of the Red gene. Horse has a red base pigment.

#### Agouti

AA Homozygous for Agouti. Horse carries two copies of the Agouti gene.

Aa Heterozygous. Horse carries one copy of the Agouti gene.

aa Non-Agouti. If horse is black based (E), black pigment will be evenly distributed.

#### Cream Dilution

nn Negative for Cream Dilution.

nCr Heterozygous. Single dilute. Horse carries one copy of the Cream Dilution gene.

CrCr Homozygous. Double dilute. Horse carries two copies of the Cream Dilution gene.

#### **Dun Dilution**

dd Negative for currently known markers associated with Dun Dilution.

Dd Heterozygous. Horse carries one copy of the Dun Dilution gene.

DD Homozygous. Horse has two copies of the Dun Dilution gene.

#### Silver Dilution

nn Negative for Silver Dilution.

nZ Heterozygous. Horse carries one copy of the Silver Dilution gene.

ZZ Homozygous. Horse has two copies of the Silver Dilution gene.

#### Champagne Dilution

nn Negative for Champagne Dilution.

nCh Heterozygous. Horse carries one copy of the Champagne Dilution gene.

ChCh Homozygous. Horse has two copies of the Champagne Dilution gene.

#### Pearl Dilution

nn Negative for Pearl Dilution.

nPrl Heterozygous. Horse carries one copy of the Pearl Dilution gene.

PrIPrI Homozygous. Horse has two copies of the Pearl Dilution gene.



3382 Capital Circle NE Tallahassee, FL 32308

#### Generated On: 11/25/2020

## **Equine Genetic Testing Report**

# Submitted By



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1336 Timberlane Road Tallahassee, FL 32312-1766

## **Equine Genetic Testing Report**

#### Submitted By

D.J. Zerwekh Triple Z Ranch, LLC 1350 Fogg Pike Mount Sterling, KY 40353 United States



Subject Horse

00097019

Horse Name: Take A Ride On My Machine

Breed: Quarter Horse

Phenotype: Bay

Date Received: 7/3/2017

Registration: 4999747

Sex: Mare Birth: 2007

Sire

Sire Name: A Good Machine Breed: Quarter Horse Registration: 3173093 Phenotype: Bay Dam

Dam Name: As The Time Passes Breed: Quarter Horse

Registration: 3358995 Phenotype: Sorrel

Test Results				Te	Test Results cont.					
X	W3	n/n	The W3 c.706A>T mutation in exon 4 of the KIT gene was NOT detected. Horse is negative for the W3 allele.							
X	W5	n/n	The W5 1-bp deletion in exon 15 of the KIT gene was NOT detected. Horse is negative for the W5 allele.							
X	W10	n/n	The W10 4-bp deletion in exon 7 of the KIT gene was NOT detected. Horse is negative for the W10 allele.							
X	W13	n/n	Horse is negative for the W13 Dominant White gene mutation.							
X	W20	n/W20	Both alleles for the W20 c.2045G>A location in exon 14 of the KIT gene were detected. Horse is heterozygous for the W20 allele.							
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Senetic	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			