



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	HYPP	Herda	GBED	PSSM1	MH
Libby	Quarter Horse	Ee	AA	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.
- nPrI** Heterozygous. Horse carries one copy of the Pearl Dilution gene.
- PrIPrI** Homozygous. Horse has two copies of the Pearl Dilution gene.

Equine Genetic Testing Report



Submitted By

Tammy Brown
Lucky B Ranch
324 Cedar Lane
Wentzville, MO 63385

Subject Horse

Horse Name: **Libby**
Breed: Quarter Horse
Phenotype: Bay
Sex: Male

Date Received: 12/12/2016

Lab Reference #: **00088438**

Registration:
Birth: 2007

Sire

Sire Name:
Breed:
Registration:
Phenotype:

Dam

Dam Name:
Breed:
Registration:
Phenotype:

Coat Color and Pattern Testing

☐	Tobiano		
☐	Frame Overo		
☐	Sabino 1		
☐	Splashed White 1		
☐	Splashed White 2		
☐	Splashed White 3		
☐	Appaloosa (LP)		
☐	PATN1		
☒	Red/Black Factor	Ee	Heterozygous: Horse is Black based but carries a recessive copy of the Red gene.
☒	Agouti	AA	Homozygous for Agouti: Horse carries two copies of the Agouti gene.
☒	Cream Dilution	nn	Negative for Cream Dilution.
☒	Dun Dilution	dd	Negative for Dun/Dun known factors associated with Dun Dilution.
☒	Silver Dilution	nn	Negative for Silver Dilution.
☒	Champagne	nn	Negative for Champagne Dilution.
☒	Pearl Dilution	nn	Negative for Pearl Dilution.
☐	Gray		

Genetic Disorders

☒	HYPP	nn	Clear: Negative for the HYPP gene mutation.
☒	HERDA	nn	Clear: Negative for the HERDA gene mutation.
☒	GBED	nn	Clear: Negative for the GBED gene mutation.
☒	MM	nn	Clear: Negative for the MM gene mutation found in Quarter Horses and related breeds.
☒	IMM	nn	Horse tested negative for the mutation associated with IMM.
☒	PSSM 1	nn	Clear: Negative for the PSSM Type 1 gene mutation.
☐	FIS		
☐	JEB1		
☐	JEB2		
☐	CA		
☐	LFS		
☐	SCD		
☐	QAAM1		
☐	WFFS1		

Genetic Marker Results

Run Date: 11/25/2020

Additional Comments

None

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

Date Received: 7/3/2017

Horse Name: Take A Ride On My Machine	Registration: 4999747
Breed: Quarter Horse	Sex: Mare
Phenotype: Bay	Birth: 2007

Sire	Dam
Sire Name: A Good Machine Breed: Quarter Horse Registration: 3173093 Phenotype: Bay	Dam Name: As The Time Passes Breed: Quarter Horse Registration: 3358995 Phenotype: Sorrel

[illegible]