

# Genetic Testing Report

**Diaman H Passion Cali**

## Submitted By

 Jeremy Lockard  
 Dusty Road Horses

## Subject Horse

 Horse Name: **Diaman H Passion Cali**  
 Breed: **Paint Horse**  
 Phenotype: **Tobiano**  
 Sex: **Female**  
 Birth: **May, 2017**

 Lab Reference #: **731856**  
 Registration: **01071705**

## Disorder Results (6 of 22)

GBED	<b>N/N</b>	Clear: Horse is negative for the GBED gene mutation.
HERDA	<b>N/N</b>	Clear: Horse is negative for the HERDA gene mutation.
HYPP	<b>n/n</b>	Clear: Horse is negative for the HYPP gene mutation.
IMM	<b>N/N</b>	Clear: Horse is negative for the mutation associated with IMM.
MH	<b>n/n</b>	Clear: Horse is negative for the MH gene mutation.
PSSM1	<b>n/n</b>	Clear: Horse is negative for the PSSM Type 1 gene mutation.

## Color Results (8 of 22)

Agouti	<b>a/a</b>	Non-Agouti: Horse is homozygous for recessive black (aa) and will pass a copy on to every offspring.
Champagne	<b>n/n</b>	Negative: Horse is negative for the Champagne Dilution.
Cream	<b>n/Cr</b>	Heterozygous: Horse carries one copy of the Cream Dilution gene and will appear as a single dilute coat. Horse has a chance to pass this gene on to any offspring.
Dun	<b>D/nd2</b>	Dun: Horse has one copy of the Dun allele and one copy of the nd2 negative allele.
Gray	<b>Absent</b>	Horse is negative for the Gray mutation.
Pearl	<b>n/n</b>	Negative: Horse is negative for Pearl Dilution.
Red/Black Factor	<b>E/E</b>	Homozygous Black: Horse carries two copies of the Black gene and will have a black-based coat.
Silver	<b>n/n</b>	Negative: Horse is negative for the Silver Dilution gene mutation.

## Pattern Results (8 of 22)

LP	<b>n/n</b>	Negative: Horse is negative for LP gene and will not be affected by Congenital Stationary Night Blindness (CSNB).
LWO	<b>n/n</b>	Negative: Horse is negative for the Frame Overo (LWO) gene.
PATN1	<b>n/n</b>	Negative: Horse does not carry the PATN-1 gene.
Sabino1	<b>n/n</b>	Negative: Horse is negative for the Sabino 1 gene.
Splash White 1	<b>n/n</b>	Negative: Horse is negative for the Splashed White 1 (SW1) mutation.
Splash White 2	<b>n/n</b>	Negative: Horse is negative for the Splashed White 2 (SW2) mutation.
Splash White 3	<b>n/n</b>	Negative: Horse is negative for the Splashed White 3 (SW3) mutation.
Tobiano	<b>T/T</b>	Homozygous: Horse has two copies of the Tobiano gene mutation and will exhibit the Tobiano pattern in varying degrees. Horse will pass a copy on to all offspring.