

# Genetic Testing Report

**Bestseatinocala**

## Submitted By

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USA

## Owned By

Kerry Bradac

## Subject Horse

Horse Name: **Bestseatinocala**  
Breed: **Quarter Horse**  
Phenotype: **Chestnut**  
Sex: **Female**  
Birth: **2017**

Lab Reference #: **385687**  
Registration: **5806680**

## Sire

Sire: Open For Suggestion  
Breed: Quarter Horse  
Phenotype: Red Roan

## Dam

Dam: KM Best When Invited  
Breed: Quarter Horse  
Phenotype: Bay

## Disorder Results (6 of 24)

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 (7 of 24)

Agouti	<b>A/A</b>	Homozygous Agouti: Horse carries two copies (AA) of the Agouti gene 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/n</b>	Negative: Horse is negative the for the Cream Dilution.
Dun	<b>nd1/nd2</b>	Non-Dun: Horse has one copy of the nd1 allele associated with primitive markings, and one copy of the nd2 negative allele.
Pearl	<b>n/n</b>	Negative: Horse is negative for Pearl Dilution.
Red/Black Factor	<b>e/e</b>	Homozygous Red: Horse carries two copies of the Red gene and will have a red base coat.
Silver	<b>n/n</b>	Negative: Horse is negative for the Silver Dilution gene mutation.

## Pattern Results (11 of 24)

W10	<b>n/n</b>	Horse is negative for the W10 allele.
W13	<b>n/n</b>	Horse is negative for the W13 Dominant White mutation.
W20	<b>n/n</b>	Horse is negative for the W20 Dominant White mutation.
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.



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## Pattern Results Continued

Sb1	n/n	Negative: Horse is negative for the Sabino 1 gene.
SW1	n/n	Negative: Horse is negative for the Splashed White 1 (SW1) mutation.
SW2	n/n	Negative: Horse is negative for the Splashed White 2 (SW2) mutation.
SW3	n/n	Negative: Horse is negative for the Splashed White 3 (SW3) mutation.
Tobiano	n/n	Negative: Horse is negative for the Tobiano gene mutation.