

**Submitted By**

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**Owned By**

Chelsea Schneider

**Subject Horse**

Horse Name: **Avery**  
Breed: **Quarter Horse/Paint Horse/T...**  
Phenotype: **Palomino**  
Sex: **Male**  
Birth: **Apr 14, 2020**

Lab Reference #: **554174**  
Registration:  
Registration: **6070428**

**Sire**

Sire: Shine Chic Shine  
Breed: Quarter Horse  
Phenotype: Palomino

**Dam**

Dam: Docs Peppy Oak RB  
Breed: Quarter Horse  
Phenotype: Bay

**Disorder Results (6 of 26)**

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 26)**

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/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>nd2/nd2</b>	Non-Dun
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 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 (12 of 26)**

W13	<b>n/n</b>	Horse is negative for the W13 Dominant White mutation.
W5	<b>n/n</b>	Horse is negative for the W5 Dominant White mutation.
W10	<b>n/n</b>	Horse is negative for the W10 allele.
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).

# Genetic Testing Report

**Avery****Pattern Results Continued**

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