



Master Registration Report

10/14/2024  
Record Code: 21

SHINE UPP, 6205760

Palomino stallion foaled in Texas on 04/23/2022

Horse Details:

Sire: SHINE CHIC SHINE, 5046013  
Dam: TRINITYS GUNS R UP, 5658273

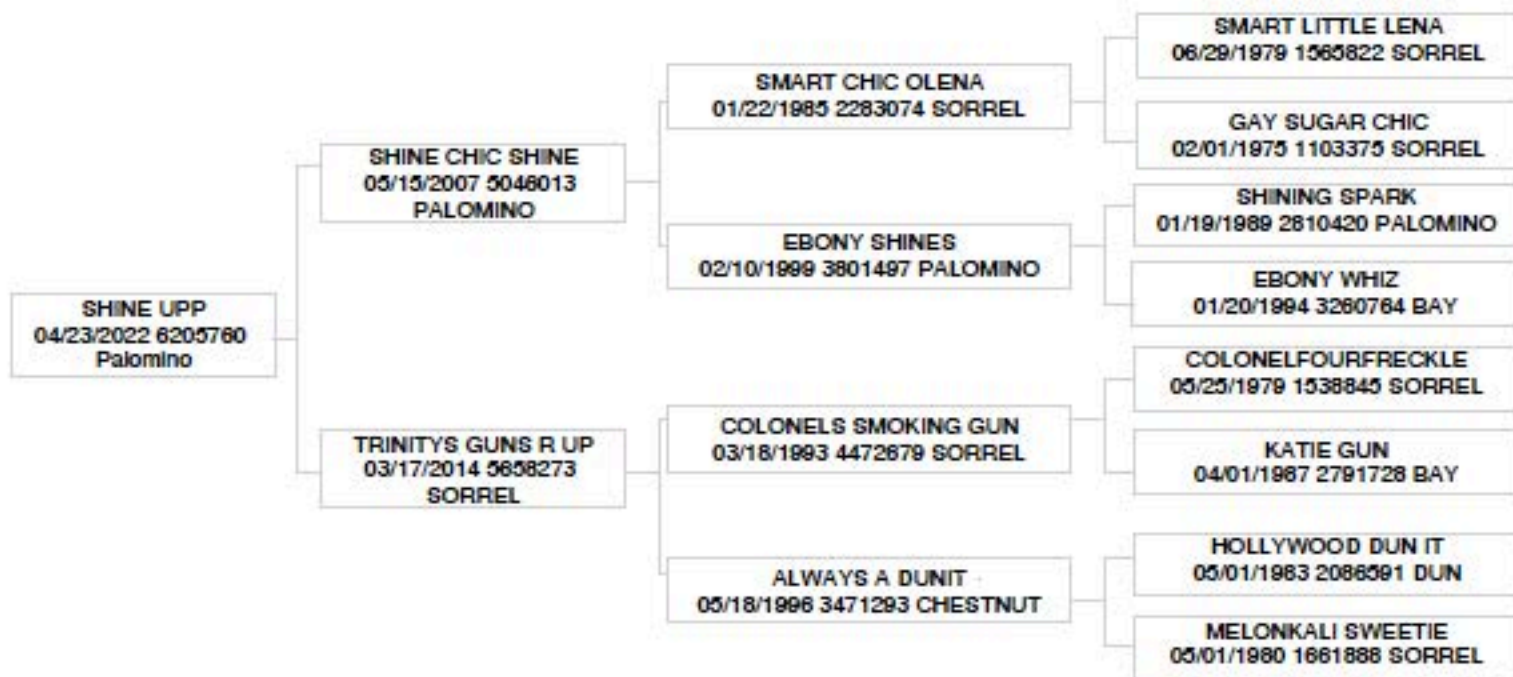
Maternal Grand sire: COLONELS SMOKING GUN  
(4472679) DECEASED

Genetic Defects:  
EXCESSIVE WHITE

Genetic Testing Results:  
GBED = N/N  
HERDA = N/N  
HYPP = N/N  
MH = N/N  
PSSM 1 = N/N  
Genetic Typed  
Parentage Verified

Breeder: TOYON RANCH LLC  
PILOT POINT, TX

Owner: MARK G HOW  
PILOT POINT, TX



CURRENT OWNER :

MARK G HOW  
PILOT POINT TX

DATE ACQUIRED : 9/23/2023

## EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i>           <b>SHINE UPP</b></p> <p><i>Registration:</i>   <b>6205760</b></p>	<p><i>Case:</i>               <b>NQ116633</b></p> <p><i>Date Received:</i>   04-Nov-2024</p> <p><i>Report Issue Date:</i> 07-Nov-2024</p> <p><i>Report ID:</i>         5518-2294-3962-4151</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a></p>
<p><i>DOB:</i> <b>04/23/2022</b>   <i>Sex:</i> <b>Stallion</b>   <i>Breed:</i> <b>Quarter Horse</b></p>	
<p><i>Sire:</i>   SHINE CHIC SHINE</p> <p><i>Reg:</i>   5046013</p> <p><i>Microchip:</i></p>	<p><i>Dam:</i>   TRINITYS GUNS R UP</p> <p><i>Reg:</i>   5658273</p> <p><i>Microchip:</i></p>

**RESULT**

**INTERPRETATION**

<p><b>Equine Juvenile Spinocerebellar Ataxia</b></p>	<p><b>N/N</b></p>
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Normal. No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.

## EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

<b>Client/Owner/Agent Information:</b> MARK HOW 11761 MASSEY RD PILOT POINT, TX 76258	<b>Case:</b> <b>NQ116633</b> <b>Date Received:</b> 04-Nov-2024 <b>Report Issue Date:</b> 07-Nov-2024 <b>Report ID:</b> 5518-2294-3962-4151  Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>SHINE UP</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Equine Juvenile Spinocerebellar Ataxia(EJSCA) test results, please visit our website at: [vgl.ucdavis.edu/test/equine-juvenile-spinocerebellar-ataxia-ejsca](http://vgl.ucdavis.edu/test/equine-juvenile-spinocerebellar-ataxia-ejsca)

For terms and conditions of testing, please see [vgl.ucdavis.edu/about/terms-and-conditions](http://vgl.ucdavis.edu/about/terms-and-conditions)

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

**Report authorized by Dr. Rebecca Bellone, VGL Director**

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616  
[vgl.ucdavis.edu](http://vgl.ucdavis.edu) · (530) 752-2211



# HORSE COAT COLOR / PATTERN TEST REPORT

<b>Provided Information:</b>	<b>Case: NQ116633</b>
Name: <b>SHINE UPP</b>	Date Received: 04-Nov-2024
Registration: <b>6205760</b>	Report Issue Date: 20-Nov-2024
	Report ID: 2981-2583-9106-0122
Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a>	

DOB: 04/23/2022 Sex: Stallion Breed: Quarter Horse

Sire: SHINE CHIC SHINE	Dam: TRINITYS GUNS R UP
Reg: 5046013	Reg: 5658273
Microchip:	Microchip:

RESULT		INTERPRETATION	RESULT		INTERPRETATION
RED FACTOR	e/e	Only red factor detected. Basic color is red in the absence of modifying genes.	SPLASHED WHITE (SW1, SW3, SW5, SW6, SW7, SW8)	N/N	No copies of MITF Splashed White detected.
AGOUTI	A/A	2 copies of agouti present. If present, black pigment is restricted to the points.	SPLASHED WHITE (SW2, SW4)	N/N	No copies of PAX3 Splashed White detected.
CREAM	N/Cr	1 copy of Cream dilution detected.	TOBIANO	N/N	No copies of Tobiano detected.
PEARL	N/N	No copies of Pearl dilution detected.	LEOPARD	N/N	No copies of Leopard Complex detected.
SILVER	N/N	No copies of Silver dilution detected.	PATTERN-1	N/N	No copies of PATN1 detected.*
DUN	nd1/nd2	Horse is not Dun dilute but may have primitive markings.	BRINDLE 1		Not requested.
CHAMPAGNE	N/N	No copies of Champagne dilution detected.	TIGER EYE		Not requested.
LETHAL WHITE OVERO	N/N	No copies of lethal white overo detected.	MUSHROOM (SHETLAND PONY)		Not requested.
SABINO 1	N/N	No copies of Sabino 1 detected.	GRAY PRESENCE OR ABSENCE	Absent	Gray variants were not detected. Horse will not gray.
DOMINANT WHITE (W5, W10, W13, W20, W22)	N/N	No copies of W5, W10, W13, W20 or W22 detected.	ROAN		Not requested.

<b>Client/Owner/Agent Information:</b> MARK HOW 11761 MASSEY RD PILOT POINT, TX 76258	<b>Case:</b> <b>NQ116633</b> <b>Date Received:</b> 04-Nov-2024 <b>Report Issue Date:</b> 20-Nov-2024 <b>Report ID:</b> 2981-2583-9106-0122  Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a>
<b>Name:</b> <b>SHINE UPP</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Coat Color test results, please visit our website at:  
[vgl.ucdavis.edu/resources/horse-coat-color](http://vgl.ucdavis.edu/resources/horse-coat-color)

\*Pattern-1: In order for high levels of white spotting to be visible on horses that inherit PATN1, LP must also be present.

### License Information

Tests for Tobiano are performed under license.

For terms and conditions of testing, please see [vgl.ucdavis.edu/about/terms-and-conditions](http://vgl.ucdavis.edu/about/terms-and-conditions)

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Horse coat color depends on many genes. There are two known genes that contribute to a horse's base color, namely Agouti (also known as Agouti Signaling Protein or *ASIP* for short) and Red Factor (also known as extension or *MC1R*).

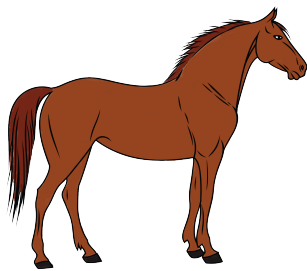
Genetic variation at the Agouti and Red Factor loci work together to determine the base coat color as well as the color of a horse's points (mane, tail, lower legs, and ear rims). Together these genes determine if a horse is chestnut/sorrel (shade of red body and red points), bay (shade of red body with black points), or black (black body and black points).

**Agouti** controls the distribution of black pigment, and alleles of this gene determine whether a horse will have a bay or black base coat color. The dominant **A** allele restricts black to the points. To read more about Agouti, visit <https://vgl.ucdavis.edu/test/agouti-horse>.

**Red factor** is responsible for determining whether a horse will have a chestnut base coat color or not. Horses with two recessive alleles (*e* or *e<sup>a</sup>*) will be chestnut regardless of the genotype at the agouti locus. Horses with at least one dominant allele (*E*) will not be chestnut, and whether they are bay or black is dependent on the genotype at the agouti locus. To read more about Red Factor, visit <https://vgl.ucdavis.edu/test/red-factor-horse>.

Genotype results for Agouti and Red Factor can be helpful in predicting breeding outcomes.

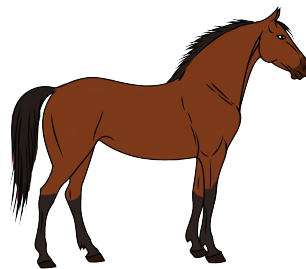
Please note that additional known and yet unknown genes influence shade, dilution, and white patterning, and ultimately the overall coat color phenotype observed.



Chestnut or Sorrel

Possible genotypes:

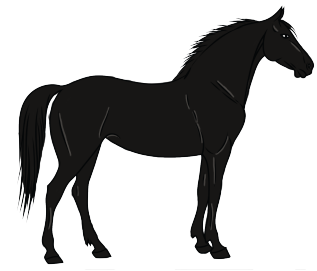
*e/e* *A/a*  
*e/e* *A/A*  
*e/e* *a/a*



Bay

Possible genotypes:

*E/e* *A/a*  
*E/e* *A/A*  
*E/E* *A/a*  
*E/E* *A/A*



Black

Possible genotypes:

*E/e* *a/a*  
*E/E* *a/a*

For more on horse coat color visit. <https://vgl.ucdavis.edu/resources/horse-coat-color>.

## EQUINE DISEASE TEST REPORT

<b>Provided Information:</b>		<b>Case:</b>	<b>NQ116633</b>
<b>Name:</b>	<b>SHINE UPP</b>	<b>Date Received:</b>	04-Nov-2024
<b>Registration:</b>	<b>6205760</b>	<b>Report Issue Date:</b>	07-Nov-2024
		<b>Report ID:</b>	9964-6982-4669-0093
Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a>			
<b>DOB: 04/23/2022 Sex: Stallion Breed: Quarter Horse</b>			
<b>Sire:</b>	SHINE CHIC SHINE	<b>Dam:</b>	TRINITYS GUNS R UP
<b>Reg:</b>	5046013	<b>Reg:</b>	5658273
<b>Microchip:</b>		<b>Microchip:</b>	

### RESULT

### INTERPRETATION

<b>Lethal White Overo (LWO)</b>	<b>N/N</b>
<b>Myosin-Heavy Chain Myopathy (MYHM)</b>	<b>N/My</b>

No copies of lethal white overo detected.

Affected. One copy of the MYHM allele detected. Horse is susceptible to immune mediated myositis or nonexertional rhabdomyolysis.

## EQUINE DISEASE TEST REPORT

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<b>Name:</b> <b>SHINE UPP</b>	

### Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Equine Disease Panel test results, please visit our website at: [vgl.ucdavis.edu/panel/quarter-horse-disease-panel](http://vgl.ucdavis.edu/panel/quarter-horse-disease-panel)

### License Information

The GBED test is performed under a license agreement with the University of Minnesota.

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