



EQUINE DISEASE PANEL TEST REPORT

Provided Information: Name: SHINING DRUMMER Registration: 01156763	Case: P113825 Date Received: 06-Sep-2022 Report Issue Date: 20-Sep-2022 Report ID: 7888-9458-1948-1133 Verify report at www.vgl.ucdavis.edu/verify
DOB: 06/08/2021 Sex: Mare Breed: Paint Horse	
Sire: TRU OAKLEY Reg: 00973787 Microchip:	Dam: DRUMMERS STORM KITE Reg: 00980203 Microchip:

RESULT

INTERPRETATION

RESULT	INTERPRETATION
Glycogen Branching Enzyme Deficiency (GBED)	N/N Normal - Does not possess the disease-causing GBED gene
Hereditary Equine Regional Dermal Asthenia (HERDA)	N/N Normal - horse does not have the HERDA gene
Hyperkalemic Periodic Paralysis (HYPP)	N/N Normal - Does not possess the disease-causing HYPP gene
Lethal White Overo (LWO)	N/N No copies of lethal white overo detected.
Malignant Hyperthermia (MH)	N/N Normal - horse does not have the MH gene
Polysaccharide Storage Myopathy Type 1 (PSSM1)	N/N Normal - horse does not have the PSSM1 gene

**MYOSIN-HEAVY CHAIN MYOPATHY (MYHM)
 GENETIC TEST REPORT**

<i>Provided Information:</i>		<i>Case:</i> P113825
<i>Name:</i> SHINING DRUMMER		<i>Date Received:</i> 06-Sep-2022
<i>Registration:</i> 01156763		<i>Report Issue Date:</i> 03-Nov-2022
		<i>Report ID:</i> 0235-2229-4040-3162
Verify report at www.vgl.ucdavis.edu/verify		
<i>DOB:</i> 06/08/2021 <i>Sex:</i> Mare <i>Breed:</i> Paint Horse		
<i>Sire:</i> TRU OAKLEY		<i>Dam:</i> DRUMMERS STORM KITE
<i>Reg:</i> 00973787		<i>Reg:</i> 00980203
<i>Microchip:</i>		<i>Microchip:</i>

RESULT

INTERPRETATION

Myosin-Heavy Chain Myopathy (MYHM)	N/My
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1 copy of the MYHM mutation is present. Horse may develop IMM following infection or vaccination, or nonexertional rhabdomyolysis. Horse can pass on the mutation to 50% of offspring.

APHA COAT COLOR PANEL TEST REPORT

<p><i>Provided Information:</i></p> <p>Name: SHINING DRUMMER</p> <p>Registration: 01156763</p>	<p>Case: P113825</p> <p>Date Received: 06-Sep-2022</p> <p>Report Issue Date: 20-Sep-2022</p> <p>Report ID: 2352-4604-4442-6042</p> <p>Reissue of: 7763-9863-9840-2051</p> <p style="text-align: center; font-size: small;">Verify report at www.vgl.ucdavis.edu/verify</p>
<p><i>DOB:</i> 06/08/2021 <i>Sex:</i> Mare <i>Breed:</i> Paint Horse</p>	
<p><i>Sire:</i> TRU OAKLEY</p> <p><i>Reg:</i> 00973787</p> <p><i>Microchip:</i></p>	<p><i>Dam:</i> DRUMMERS STORM KITE</p> <p><i>Reg:</i> 00980203</p> <p><i>Microchip:</i></p>

RESULT

INTERPRETATION

RED FACTOR	E/E	INTERPRETATION
RED FACTOR	E/E	No red factor detected. Offspring cannot be chestnut/sorrel.
AGOUTI	a/a	If present, black pigment is distributed uniformly over the body.
CREAM	N/N	No copies of Cream dilution detected.
PEARL	N/N	No copies of Pearl dilution detected.
SILVER	N/N	No copies of Silver dilution detected.
LETHAL WHITE OVERO	N/N	No copies of lethal white overo detected.
SABINO 1	N/N	No copies of Sabino 1 detected.
TOBIANO	TO/TO	2 copies of Tobiano detected.
CHAMPAGNE	N/N	No copies of Champagne dilution detected.
SPLASHED WHITE (SW1, SW3, SW5, SW6)	N/N	No copies of MITF Splashed White detected.
SPLASHED WHITE (SW2, SW4)	N/N	No copies of PAX3 Splashed White detected.
GRAY	Absent	Gray gene is absent. Horse will not turn gray.
DUN	D/nd1	1 copy of Dun dilution and 1 copy of nd1.
LEOPARD	N/N	No copies of Leopard Complex detected.
DOMINANT WHITE (W5, W10, W20, W22)	N/N	No copies of W5, W10, W20 or W22 detected.