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SANTA BARBARA • SANTA CRUZ

VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211
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AQHA GENETIC DISEASE PANEL TEST RESULTS

AMERICAN QUARTER HORSE ASSOCIATION P.O. BOX 200 AMARILLO, TX 79168-0001		Case: QHA152776 Date Received: 04-Aug-2014 Print Date: 06-Aug-2014 Report ID: 7245-9879-0858-8131 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html
Horse: NATURAL BOTTOM		Reg: 5379026
DOB: 01/01/2011	Breed: QH	Sex: S
Alt. ID: 6317531		
Sire: PLAYBOYS BUCK FEVER		Reg: 3845720
Dam: NATURAL INGREDIENT		Reg: 2487968

GBED	N/N	N/N - Normal - Does not possess the disease-causing GBED gene
HERDA	N/N	N/N - Normal - horse does not have the HERDA gene
HYPP	N/N	N/N - Normal - Does not possess the disease-causing HYPP gene
MH	N/N	N/N - Normal - horse does not have the MH gene
PSSM1	N/N	N/N - Normal - horse does not have the PSSM1 gene

GBED - Glycogen Branching Enzyme Deficiency. Fatal disease of newborn foals caused by defect in glycogen storage. Affects heart and skeletal muscles and brain. Inherited as recessive disease.

HERDA - Hereditary Equine Regional Dermal Asthenia. Skin disease characterized by hyperextensible skin, scarring, and severe lesions along the back of affected horses. Typical onset is around 2 years of age. Inherited as a recessive disease.

HYPP - Hyperkalemic Periodic Paralysis. Muscle disease caused by defect in sodium channel gene that causes involuntary muscle contraction and increased level of potassium in blood. Inherited as dominant disease. Two copies of defective gene produce more severe signs than one copy.

MH - Malignant Hyperthermia. Rare but life-threatening skeletal muscle disease triggered by exposure to volatile anesthetics (halothane), depolarizing muscle relaxants (succinylcholine), and stress. Presumed inheritance as dominant disease.

PSSM1 - Polysaccharide Storage Myopathy Type 1. Muscle disease characterized by accumulation of abnormal complex sugars in skeletal muscles. Signs include muscle pain, stiffness, skin twitching, sweating, weakness and reluctance to move. Inherited as a dominant disease.

GBED testing performed under a license agreement with the University of Minnesota.

HERDA testing performed under a license agreement with the University of California, Davis.

PSSM1 testing performed under a license agreement with the American Quarter Horse Association.



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IMM AND MYH1 MYOPATHY (MYHM) GENETIC TEST REPORT

GLENN BLODGETT P.O. BOX 130 GUTHRIE, TX 79236	Case: NQ51862 Date Received: 25-Jul-2019 Print Date: 29-Jul-2019 Report ID: 5191-5677-1722-5139 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm
Name: NATURAL BOTTOM DOB: 01/01/2011 Sex: Stallion Breed: Quarter Horse	Reg: 5379026

IMM and MYH1 Myopathy	N/N
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No copies of the MYHM mutation. Horse does not have increased susceptibility for IMM or nonexertional rhabdomyolysis.

For more detailed information on MYHM test results, please go to:
www.vgl.ucdavis.edu/services/horse/IMM.php

HORSE COAT COLOR / PATTERN TEST REPORT

Provided Information:		Case:	NQ104018
Name:	NATURAL BOTTOM	Date Received:	14-Dec-2023
Registration:	5379026	Report Issue Date:	20-Dec-2023
		Report ID:	6773-1705-0042-6020
		Verify report at vgl.ucdavis.edu/verify	
DOB: 04/18/2011 Sex: Stallion Breed: Quarter Horse			
Sire:	PLAYBOYS BUCK FEVER	Dam:	NATURAL INGREDIENT
Reg:	3845720	Reg:	2487968
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	1 copy of agouti. If present, black pigment is restricted to the points.	SPLASHED WHITE (SW2, SW4)	N/N	No copies of PAX3 Splashed White detected.
CREAM	N/N	No copies 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	Present	Gray gene is present. Horse will turn gray.
DOMINANT WHITE (W5, W10, W13, W20, W22)	N/N	No copies of W5, W10, W13, W20 or W22 detected.	ROAN		Not requested.

HORSE COAT COLOR / PATTERN TEST REPORT

Client/Owner/Agent Information: MIKE PALLONE 6039 HIGHWAY 36 W ROSE BUD, AR 72137-9006	Case: NQ104018 Date Received: 14-Dec-2023 Report Issue Date: 20-Dec-2023 Report ID: 6773-1705-0042-6020 Verify report at vgl.ucdavis.edu/verify
Name: NATURAL BOTTOM	

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

*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

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

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