UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

AQHA COAT COLOR PANEL TEST REPORT

Provided Information:

Name: **PURELYSIMPLY DYNAMIC**

Registration: **4640041**

Date Received: 30-Apr-2021
Report Issue Date: 11-Jun-2021
Report ID: 7213-0620-9307-2151
Reissue of: 1351-3216-6376-0035

DOB: **04/26/2005** *Sex:* **Stallion** *Breed:* **Quarter Horse** *Alt. ID:* **5443938**

Sire: PURE DYNAMIC
Reg: 3387996
Microchip:

Dam: JET SET ILLUSION
Reg: 3863108
Microchip:

RESULT		INTERPRETATION
RED FACTOR	**E/e**	Both black and red factors detected.
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	**N/N**	No 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	**nd1/nd2**	Horse is not Dun dilute but may have primitive markings.
DOMINANT WHITE (W5, W10, W20, W22)	**N/N**	No copies of W5, W10, W20 or W22 detected.

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AQHA COAT COLOR PANEL TEST REPORT

Client/Owner/Agent Information:	
AMERICAN QUARTER HORSE ASSOCIATION P.O. BOX 200 AMARILLO, TX 79168-0001	***Date Received:*** 30-Apr-2021 ***Report Issue Date:*** 11-Jun-2021 ***Report ID:*** 7213-0620-9307-2151 ***Reissue of:*** 1351-3216-6376-0035

Name: **PURELYSIMPLY DYNAMIC**

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:
www.vgl.ucdavis.edu/services/coatcolorhorse.php

Additional Comments

For terms and conditions of testing, please see www.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

UNIVERSITY OF CALIFORNIA, DAVIS

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VETERINARY GENETICS LABORATORY
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AQHA GENETIC DISEASE PANEL TEST RESULTS

AMERICAN QUARTER HORSE ASSOCIATION
P.O. BOX 200
AMARILLO, TX 79168-0001

Case: **QHA350779**
Date Received: 16-Apr-2018
Print Date: 20-Apr-2018
Report ID: 1707-4433-6065-6113
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Horse: ***PURELYSIMPLY DYNAMIC*** *Reg:* ***4640041***
YOB: ***2005*** *Sex:* ***Stallion*** *Breed:* ***Quarter Horse*** *Alt. ID:* ***5443938***

Sire: ***PURE DYNAMIC*** *Reg:* 3387996
Dam: ***JET SET ILLUSION*** *Reg:* 3863108

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.