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

TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

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.

AMERICAN QUARTER HORSE ASSOCIATION

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Tuesday, December 10, 2024

SUSAN L WATKINS
6068 S STATE ROAD 1
HAMILTON IN 46742

Customer ID: 2164706

Transaction #: 42778079-1

Registration Key: 5443938

Dear SUSAN L WATKINS:

The results for the genetic test(s) that you ordered for PURELYSIMPLY DYNAMIC, 4640041 are below.

MYHM	N/N

For more information regarding these genetic diseases, please refer to AQHA.com\genetics and AQHA rules REG109.3-REG109.7, which are available in the AQHA Official Handbook of Rules and Regulations at *www.aqha.com.*

If you have any questions, please contact AQHA at 806-376-4811 8 a.m. to 5 p.m. Central, Monday through Friday, or submit a Contact Us form on AQHA.com.

Sincerely,

AQHA Member Experience Team

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HYP026