AQHA

AMERICAN QUARTER HORSE ASSOCIATION

TO SPEED PROCESSING, PLEASE RETURN THIS FORM WITH ADDITIONAL INFORMATION AT YOUR EARLIEST CONVENIENCE.

February 16, 2015

Reg Key: 4445872

BRIAN & LISA FULTON
29393 272ND AVE
VALENTINE, NE 69201-2172

Cust ID: 2080256

RE: A STREAK OF FLING
3806003

Dear MEMBER:

The results for the disease panel test that you ordered for A STREAK OF FLING are enclosed.

The DNA profile for this panel was compared to the original DNA. For more information regarding these diseases, please refer to AQHA rules REG109.3-REG109.7.

If you have any questions, please contact us at (806) 376-4811. Our office hours are Monday through Friday, 8 a.m. to 5 p.m. Central time.

Sincerely,

Registration Department

Enclosure

HYP302

UNIVERSITY OF CALIFORNIA, DAVIS

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO SANTA BARBARA • SANTA CRUZ

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: **QHA176446**
Date Received: 26-Jan-2015
Print Date: 29-Jan-2015
Report ID: 9044-0502-1017-3073
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Horse: **A STREAK OF FLING** *Reg:* **3806003**
YOB: **1999** *Breed:* **QH** *Sex:* **S** *Alt. ID:* **4445872**

Sire: STREAKIN SIX *Reg:* 1301847
Dam: MOON FLING *Reg:* 1678394

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.