Wednesday, February 14, 2018
8:22 AM

UNIVERSITY OF CALIFORNIA, DAVIS

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AQHA GENETIC DISEASE PANEL TEST RESULTS

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

Date Received: 12-May-2017
Print Date: 16-May-2017
Report ID: 6359-9692-9056-5084
Verify report at: www.vgl.ucdavis.edu/myvgl/verify.html

Horse: 00012233422 *Reg:*
DOB: 2017 *Sex:* Stallion *Breed:* Quarter Horse *Alt ID:* 6842661

Sire: ATTENCION *Reg:* 5176974
Dam: MISS COOL PERFECTION *Reg:* 3911300

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 characterized 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 - Type I Hyperkalemic Periodic Paralysis. Muscle disease caused by defect in sodium channel gene that causes uncontrolled muscle contractions and increased level of potassium in blood. Inherited as dominant disease. Two copies of defective gene produce severe signs that usually are fatal.

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