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AQHA GENETIC DISEASE PANEL TEST RESULTS

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

Case# QHA362961
Date Received: 26-Jul-2018
Prior Date: 31-Jul-2018
Report ID# 8427-1467-2343-9088

Verify report at www.aqha.org/ahm/ahmverify.htm

Yorse: 8002268177

Reg:

TOB: 2018 *Sex:* Stallion *Breed:* Quarter Horse *AI:* 4945962

Sire: I AM RELENTLESS

Reg: 5885129

Dam: PRETTY WELL ROCKED

Reg: 5278712

GBED	N/G	N/G - Carrier - Heterozygous (one normal and one 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/PSSM1	N/PSSM1 - Affected - horse has one copy of the PSSM1 gene

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

Hemorrhagic Equine Regional Dermal Necrosis: Skin disease characterized by hyperaesthetic skin, swelling, and severe lesions along the back of affected horses. Typical onset is 1 year of age. Inherited as a recessive disease.

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

Equine Hyperkalemia: Rare but life-threatening skeletal muscle disease triggered by exposure to volatile anesthetics (halothane), depolarizing muscle relaxants (succinylcholine), or potassium. Inherited as dominant disease.

Polyunsaturated Storage Myopathy Type 1: Muscle disease characterized by accumulation of abnormal complex sugars in skeletal muscles. Signs include muscle pain, stiffness, old p, weakness, and reluctance to move. Inherited as a dominant disease.

Testing performed under a license agreement with the University of Minnesota.

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

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