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SANTA BARBARA • SANTA CRUZ

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

TELEPHONE: (530) 752-2211
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AQHA GENETIC DISEASE PANEL TEST RESULTS

AMERICAN QUARTER HORSE ASSOCIATION P.O. BOX 200 AMARILLO, TX 79168-0001	Case: QHA47424 Date Received: 28-Feb-2012 Report Date: 01-Mar-2012 Report ID: 2060-0348-1040-8144 Verify report at https://www.vgl.ucdavis.edu/myvgl/verify.html
Horse: WR THIS CATS SMART Reg: 3837031 YOB: 99 Breed: QH Sex: S Alt. ID: 4446553	
Sire: HIGH BROW CAT Reg: 2706274 Dam: THE SMART LOOK Reg: 2689896	

GBED	N/N	N/N - Normal - Does not possess the disease-causing GBED gene
HERDA	N/HRD	N/HRD - Carrier - horse carries one copy of 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.



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IMM AND MYH1 MYOPATHY (MYHM) GENETIC TEST REPORT

GLENN BLODGETT P.O. BOX 130 GUTHRIE, TX 79236	Case: NQ51868 Date Received: 25-Jul-2019 Print Date: 29-Jul-2019 Report ID: 0453-3292-2723-0022 Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm
Name: WR THIS CATS SMART Reg: 3837031 DOB: 01/01/1999 Sex: Stallion Breed: Quarter Horse	

IMM and MYH1 Myopathy	N/N
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No copies of the MYHM mutation. Horse does not have increased susceptibility for IMM or nonexertional rhabdomyolysis.

For more detailed information on MYHM test results, please go to:
www.vgl.ucdavis.edu/services/horse/IMM.php