UNIVERSITY OF CALIFORNIA, DAVIS

BERKELEY + DAVIS + IRVINE + LOS ANGELES + MERCED + RIVERSIDE + SAN DIEGO + SAN FRANCISCO



SANTA HARBARA

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

QHA3424 Case:

Date Received:

20-Feb-201

Print Date:

27-Feb-2018

Report ID:

4896-8411-4129-

Verify report at www.vgl.ucdavis.edu/myvgl/v

Horse: MAGICAL VOODOO

Reg: 5702218

YOB: 2014 Sex: Stallion Breed: Quarter Horse Alt. ID: 6658218

Sire: SHINERS VOODOO DR

Reg: 5101811

Dam: VERY SMART SWEETHART

Reg: 5165985

GBED	N/N	
HERDA	N/HRD.	
НҮРР	N/N .	
мн	N/N	
PSSM1	N/N	

N/N - Normal - Does not possess the disease-causing GBED gene

N/HRD - Carrier - horse carries one copy of the HERDA gene

N/N - Normal - Does not possess the disease-causing HYPP gene

N/N - Normal - horse does not have the MH gene

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. Inf

HERDA - Hereditary Equine Regional Dermal Asthenia. Skin disease characterized by hyperextensible skin, scarring, and severe lesions along the back of affected horse 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 po-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 relaxant 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 muscles 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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Registration: 584383

Report ID:

DOB: 01/01/2014 Sex: Stallion Breed: Quarter Horse

MAGICAL VOODOO

Sire: SHINERS VOODOO DR

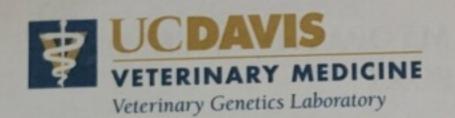
Reg: 5101811

Name:

Dam: VERY SMART SV

Reg: 5165985

Microchip:		Microchip:		
RESULT		INTERPRETATION	RESULT	
RED FACTOR	e/e	Only red factor detected. Basic color is red in the absence of modifying genes.	SPLASHED WHITE	
AGOUTI	A/a	1 copy of agouti. If present, black pigment is restricted to the points.	TOBIANO	
CREAM	N/Cr	1 copy of Cream dilution detected.	LEOPARD	
PEARL	N/N	No copies of Pearl dilution detected.	PATTERN-1	
SILVER	N/N	No copies of Silver dilution detected.	BRINDLE 1	
DUN	nd2/nd2	Horse is not Dun dilute. Primitive markings are absent.	TIGER EYE	
CHAMPAGNE	N/N	No copies of Champagne dilution detected.	MUSHROOM (SHETLAND PONY)	
LETHAL WHITE OVERO		Not requested.	GRAY	Absent
SABINO 1		Not requested.	ROAN	
DOMINANT WHITE (W5, W10, W20, W22		Not requested.		



MYOSIN-HEAVY CHAIN MYOPATHY (MYHM) TEST REPORT

Provided Information:

MAGICAL VOODOO Name:

584383 Registration:

Case:

29-Aug-2022 Date Received: 18-Apr-2023

Report Issue Date: Report ID:

2541-5288-2437-7162

NQ86118

Verify report at www.vgl.ucdavis.edu/verify

DOB: 01/01/2014 Sex: Stallion Breed: Quarter Horse

SHINERS VOODOO DR Sire:

Reg: 5101811

Microchip:

Dam: VERY SMART SWEETHART

5165985 Reg:

Microchip:

RESULT

Myosin-Heavy Chain

Myopathy (MYHM)

N/N

INTERPRETATION

Normal. No copies of the MYHM allele detected. Horse does not have increased susceptibility for immune remyositis or nonexertional rhabdomyolysis caused by the MYHM allele.