UNIVERSITY OF CALIFORNIA, DAVIS

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

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: QHA3424
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**	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. Inh
disease.

HERDA - Hereditary Equine Regional Dermal Asthenia. Skin disease characterized by hyperextensible skin, scarring, and severe lesions along the back of affected hors
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 mus
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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Name: **MAGICAL VOODOO**

Registration: **584383**

Date Recei
Report Issu
Report ID:

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

Sire: SHINERS VOODOO DR
Reg: 5101811
Microchip:

Dam: VERY SMART SV
Reg: 5165985
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.		

UCDAVIS
VETERINARY MEDICINE
Veterinary Genetics Laboratory

MYOSIN-HEAVY CHAIN MYOPATHY (MYHM) TEST REPORT

Provided Information:

Name: **MAGICAL VOODOO**

Registration: **584383**

Case: **NQ86118**
Date Received: 29-Aug-2022
Report Issue Date: 18-Apr-2023
Report ID: 2541-5288-2437-7162

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

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

Sire: SHINERS VOODOO DR
Reg: 5101811
Microchip:

Dam: VERY SMART SWEETHART
Reg: 5165985
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 m
myositis or nonexertional rhabdomyolysis caused by the MYHM allele.

Name: **MAGICAL VOODOO**

Registration: **584383**

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

Sire: SHINERS VOODOO DR

Reg: 5101811

Microchip:

RESULT		
Equine Juvenile Spinocerebellar Ataxia	**N/N**	**Normal. N**