

UNIVERSITY OF CALIFORNIA, DAVIS

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SANTA BARBARA

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:

QHA3424

Date Received:

20-Feb-2011

Print Date:

27-Feb-2018

Report ID:

4896-8411-4129-

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

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
HYPP	N/N
MH	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. 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 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. 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 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 twitching, sweating, weakness and reluctance to move. Inherited as a dominant disease.

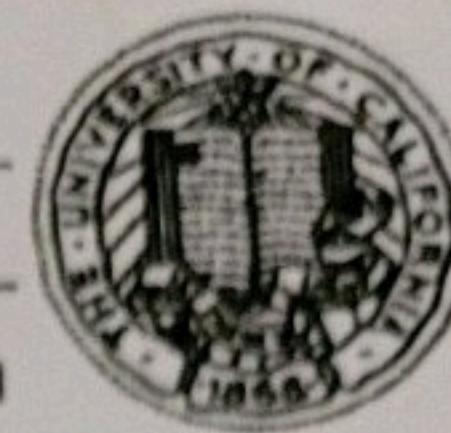
GBED testing performed under a license agreement with the University of Minnesota.

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

Case:

QHA3424

20-Feb-2018

Print Date:

27-Feb-2018

Report ID:

4896-8411-4129-1

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

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

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MH	N/N
PSSM1	N/N

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N/N - Normal - horse does not have the PSSM1 gene

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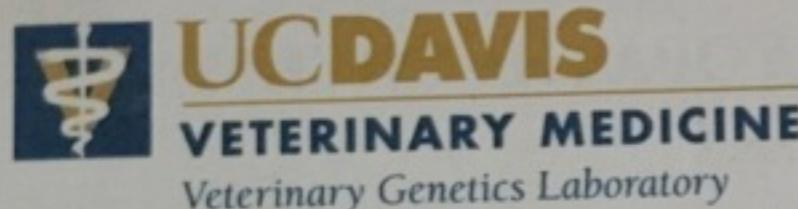
PSSM1 testing performed under a license agreement with the American Quarter Horse Association.

Name: **MAGICAL VOODOO**Registration: **584383**DOB: **01/01/2014** Sex: **Stallion** Breed: **Quarter Horse**Sire: **SHINERS VOODOO DR**Dam: **VERY SMART SW**Reg: **5101811**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:

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
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INTERPRETATION

Normal. No copies of the MYHM allele detected. Horse does not have increased susceptibility for immune-mediated 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
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