UNIVERSITY OF CALIFORNIA, DAVIS

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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: **QHA422711**
Date 06-Dec-2019
Print Date: 03-Jan-2020
Report ID: 6973-1623-9351-7162
Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Horse: **KINKY BOOTZ** *Reg:* **5787701**
DOB: **03/16/2016** *Sex:* **Stallion** *Breed:* **Quarter Horse** *Alt. ID:* **6823127**

Sire: DUAL REY *Reg:* 3258332
Dam: SHEZA STYLISH COUGAR *Reg:* 5217170

GBED	**N/N**	N/N - Normal - Does not possess the disease-causing 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/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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Veterinary Genetics Laboratory

EQUINE DISEASE TEST REPORT

Provided Information:		*Case:*	**NQ102657**
Name:	**KINKY BOOTZ**	*Date Received:*	27-Oct-2023
Registration:	**5787701**	*Report Issue Date:*	02-Nov-2023
		Report ID:	0629-6170-1526-9144

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

DOB: **03/16/2016** *Sex:* **Stallion** *Breed:* **Quarter Horse**

RESULT		INTERPRETATION
Lethal White Overo (LWO)	**N/N**	No copies of lethal white overo detected.
Myosin-Heavy Chain Myopathy (MYHM)	**N/N**	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.

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Veterinary Genetics Laboratory

EQUINE DISEASE TEST REPORT

Client/Owner/Agent Information:	*Case:* **NQ102657**
GLENN DRAKE	*Date Received:* 27-Oct-2023
1600 GARNER ADELL RD	*Report Issue Date:* 02-Nov-2023
WEATHERFORD, TX 76088	*Report ID:* 0629-6170-1526-9144
	Verify report at www.vgl.ucdavis.edu/verify

Name: **KINKY BOOTZ**

Additional Information

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on Equine Disease Panel test results, please visit our website at:
www.vgl.ucdavis.edu/panel/quarter-horse-disease-panel

License Information

The GBED test is performed under a license agreement with the University of Minnesota.

For terms and conditions of testing, please see www.vgl.ucdavis.edu/about/terms-and-conditions

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17025 TESTING LABORATORY