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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:
Date Received: 10-Feb-2014
Print Date: 12-Feb-2014
Report ID: 8292-1112-3476-4028
Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Horse: **THE BOON** *Reg:* **5062087**
YOB: **08** *Breed:* **QH** *Sex:* **S** *Alt. ID:* **5934690**

Sire: PEPTOBOONSMAL *Reg:* 3097910
Dam: BOON SAN KITTY *Reg:* 3955171

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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IMM AND MYH1 MYOPATHY (MYHM) GENETIC TEST REPORT

GLENN BLODGETT
P.O. BOX 130
GUTHRIE, TX 79236

Case: **NQ51871**
Date Received: 25-Jul-2019
Print Date: 29-Jul-2019
Report ID: 6119-1598-7886-5088
Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Name: **THE BOON** *Reg:* **5062087**

DOB: **01/01/2008** *Sex:* **Stallion** *Breed:* **Quarter Horse**

Sire: PEPTOBOONSMAL *Reg:*

Dam: BOON SAN KITTY *Reg:*

IMM and MYH1 Myopathy	**N/N**	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

The MYHM test is performed under license from UC Davis.

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

Provided Information:		*Case:*	**NQ51871**
Name:	**THE BOON**	*Date Received:*	25-Jul-2019
Registration:	**5062087**	*Report Issue Date:*	18-Sep-2024
		Report ID:	6202-9455-8697-1182
		Verify report at vgl.ucdavis.edu/verify	

DOB: **01/01/2008** *Sex:* **Stallion** *Breed:* **Quarter Horse**

Sire: PEPTOBOONSMAL	*Dam:* BOON SAN KITTY
Reg:	*Reg:*
Microchip:	*Microchip:*

RESULT		INTERPRETATION
Equine Juvenile Spinocerebellar Ataxia	**N/N**	Normal. No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.