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
FAX: (530) 752-3556

AQHA GENETIC DISEASE PANEL TEST RESULTS

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

Case: **QHA47404**
Date Received: 28-Feb-2012
Report Date: 06-Mar-2012
Report ID: 9763-7779-4969-5191
Verify report at https://www.vgl.ucdavis.edu/myvgl/verify.html

Horse: **ROCKIN W** *Reg:* **4807356**
YOB: **06** *Breed:* **QH** *Sex:* **S** *Alt. ID:* **5632119**

Sire: DUAL REY *Reg:* 3258332
Dam: BOON SAN KITTY *Reg:* 3955171

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. 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.

AMERICAN QUARTER HORSE ASSOCIATION

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Friday, December 27, 2024

ROCKIN W SYNDICATE
PO BOX 130
GUTHRIE TX 79236

Customer ID: 3673036
Transaction #: 42785915-11
Registration Key: 5632119

Dear ROCKIN W SYNDICATE:

The results for the genetic test(s) that you ordered for ROCKIN W, 4807356 are below.

MYHM	N/N

For more information regarding these genetic diseases, please refer to AQHA.com\genetics and AQHA rules REG109.3-REG109.7, which are available in the AQHA Official Handbook of Rules and Regulations at *www.aqha.com.*

If you have any questions, please contact AQHA at 806-376-4811 8 a.m. to 5 p.m. Central, Monday through Friday, or submit a Contact Us form on AQHA.com.

Sincerely,

AQHA Member Experience Team

VISIT GENETIC HEALTH WEBPAGE
FLOWCODE PRIVACY.FLOWCODE.COM

HYP026

UCDAVIS VETERINARY MEDICINE
Veterinary Genetics Laboratory

EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

Provided Information:		*Case:*	**NQ51867**
Name:	**ROCKIN W**	*Date Received:*	25-Jul-2019
Registration:	**4807356**	*Report Issue Date:*	18-Sep-2024
		Report ID:	3550-0530-5567-0017

Verify report at vgl.ucdavis.edu/verify

DOB: **01/01/2006** *Sex:* **Stallion** *Breed:* **Quarter Horse**

RESULT

Equine Juvenile Spinocerebellar Ataxia	**N/N**

INTERPRETATION

Normal. No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.