UNIVERSITY OF CALIFORNIA, DAVIS

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EQUINE DISEASE PANEL RESULTS

AMERICAN PAINT HORSE ASSOC.
P.O. BOX 961023
FORT WORTH, TX 76161-0023

Case: **P95485**
Date Received: 04-Dec-2018
Print Date: 07-Dec-2018
Report ID: 8635-7170-7152-4084
Verify report at www.vgl.ucdavis.edu/myvgl/verify.htm

Horse: **PLAYBOYS REWARD** *Reg:* **00825827**
YOB: **2005** *Sex:* **Stallion** *Breed:* **Paint Horse**

Sire: WANTED REWARD *Reg:* 00224762
Dam: PLAY JAY SIOUX *Reg:* 00579558

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
LWO	**N/N**	No copies of lethal white overo detected.
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.

LWO - Lethal White Overo. A fatal disease of newborn foals caused by defect in intestinal tract function resulting in failure to pass food. Inheritance as incomplete dominant. One copy of the defective gene has no health effect and causes Overo-type white spotting. Two copies of the defective gene results in lethal white foals.

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.