



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: QHA118440 Date Received: 04-Nov-2013 Report Date: 08-Nov-2013 Report ID: 2058-9578-3304-2148 Verify report at https://www.vgl.ucdavis.edu/myvgl/verify.html
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<i>Horse:</i> JU JUZZ GUNSLINGER	<i>Reg:</i> 4607569
<i>YOB:</i> 04 <i>Breed:</i> QH <i>Sex:</i> S <i>Alt. ID:</i> 5396177	

<i>Sire:</i> COLONELS LIL GUN	<i>Reg:</i> 4561713
<i>Dam:</i> PAMELA JUJOS JOY	<i>Reg:</i> 2115404

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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HORSE COAT COLOR / PATTERN TEST RESULTS

AMERICAN PAINT HORSE ASSOC. P.O. BOX 961023 FORT WORTH, TX 76161-0023	Case: P91972 Date Received: 26-Dec-2017 Print Date: 28-Dec-2017 Report ID: 5449-1115-9090-0033 Verify report at www.vgl.ucdavis.edu/myvg/verify.html
Horse: JUJUZZ GUNSLINGER Reg: 00798544 YOB: 2004 Sex: Stallion Breed: Paint Horse	
Sire: COLONELS LIL GUN Reg: 00407166 Dam: PAMELA JUJOS JOY Reg: Q2115404	

RED FACTOR		Not requested.	SPLASHED WHITE		Not requested.
AGOUTI		Not requested.	TOBIANO		Not requested.
CREAM		Not requested.	LEOPARD		Not requested.
PEARL		Not requested.	PATTERN-1		Not requested.
SILVER		Not requested.	BRINDLE 1		Not requested.
DUN		Not requested.	TIGER EYE		Not requested.
CHAMPAGNE		Not requested.	GRAY		Not requested.
LETHAL WHITE OVERO	N/N	No copies of lethal white overo detected.	ROAN		Not requested.
SABINO 1		Not requested.			
DOMINANT WHITE (W5, W10, W20)		Not requested.			

For more detailed information on Horse Coat Color results, please visit:
www.vgl.ucdavis.edu/services/coatcolorhorse.php

Tests for Gray, Leopard/Appaloosa, Lethal White Overo and Tobiano are performed under license.