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VETERINARY GENETICS LABORATORY SCHOOL OF VETERINARY MEDICINE



AQHA GENETIC DISEASE PANEL TEST RESULTS

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

Case: Date Received: QHA267387 04-Oct-2016

Print Date: Report ID:

8817-4723-5535-2128 Verify report at www.vgl.ucdavis.edu/myvgl/verify.html

Horse: 00022976903

YOB: 2016 Sex: Stallion Breed: Quarter Horse Alt. ID: 6779915

Sire: SMART CHIC OLENA Dam: PROVE I DUNIT

Reg: 2283074

Rev: 4532275

N/N HERDA MH N/N N/N N/N - Normal - Does not possess the disease-causing GBED gene

GBED - Giveogen Branching Enzyme Deficiency. Fatal disease of newborn foals caused by defect in glycogen storage. Affects heart and skeletal muscles and brain. Inherited as recessive 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

Inherited as dominant disease. Two copies of defective gene produce more severe signs than one copy

PSSM1 - Polysaccharide Storage Myopathy Type 1. Muscle disease characterized by accumulation of abnormal complex sugars in skeletal muscles. Signs include muscle pain, stiffness.



HORSE COAT COLOR / PATTERN TEST REPORT

Provided Information:

W22)

Name: SMART N CHIC DUN IT

Registration: 5784150

Case:

NQ94708

Date Received: Report Issue Date: Report ID: 26-Apr-2023 06-May-2023 9075-8853-3235-6155

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

DOB: 05/11/2016 Sex: Stallion Breed: Quarter Horse

RESULT		INTERPRETATION	RESULT		INTERPRETATION
RED FACTOR	E/e	Both black and red factors detected.	SPLASHED WHITE		Not requested.
AGOUTI	A/A	2 copies of agouti present. If present, black pigment is restricted to the points.	TOBIANO		Not requested.
CREAM	N/Cr	1 copy of Cream dilution detected.	LEOPARD		Not requested.
PEARL	N/N	No copies of Pearl dilution detected.	PATTERN-1		Not requested.
SILVER	N/N	No copies of Silver dilution detected.	BRINDLE 1		Not requested.
DUN	nd2/nd2	Horse is not Dun dilute. Primitive markings are absent.	TIGER EYE		Not requested.
CHAMPAGNE	N/N	No copies of Champagne dilution detected.	MUSHROOM (SHETLAND PONY)		Not requested.
LETHAL WHITE OVERO		Not requested.	GRAY	Absent	Gray gene is absent. Horse will not turn gray.
SABINO 1		Not requested.	ROAN		Not requested.
DOMINANT WHITE (W5, W10, W13, W20,		Not requested.			



MYOSIN-HEAVY CHAIN MYOPATHY (MYHM) TEST REPORT

Provided Information:

Name: SMART N CHIC DUN IT

Registration: 5784150

Case:

NQ94708

Date Received: Report Issue Date: Report ID: 26-Apr-2023 03-May-2023

4295-3695-1412-5124

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

DOB: 05/11/2016 Sex: Stallion Breed: Quarter Horse

RESULT

INTERPRETATION

Myosin-He	avy Chain
Myopathy	(MYHM)

N/N

Normal. No copies of the MYHM allele detected. Horse does not have increased susceptibility for immune mediated myositis or nonexectional rhabdomyolysis caused by the MYHM allele.