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



SANTA BARBARA · SANTA CRUZ

AQHA GENETIC DISEASE PANEL TEST RESULTS

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

Case:

QHA109710

Date Received:

27-Aug-2013

Report Date:

09-Oct-2013

Report ID:

2029-6118-6436-8140

Verify report at https://www.vgl.ucdavis.

Horse: KIT KAT SUGAR

Reg: 5157691

YOB: **08**

Breed: QH

Sex: S

Alt. ID:6044971

Sire: HIGH BROW CAT

Reg: 2706274

Dam: SUGAR N DULCE

Reg: 4333746

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
НҮРР	N/N	N/N - Normal - Does not possess the disease-causing HYPP gene
МН	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.

HERDA - Hereditary Equinc 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 diseasc.

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 (halotbane), depolarizing muscle relaxants (succinylcholine), and stress. Presumed inheritance as dominant disease.

PSSM1 - Polysaccharide Storage Myopathy Type I. 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.



3382 Capital Circle NE Tallahassee, FL 32308

Equine Genetic Testing Report

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Towns.	



Subject Horse

Horse Name: Kit Kat Sugar **Breed: Quarter Horse**

Phenotype:

Sex: Stallion

Date	Received:	1/10/2022

Generated On: 1/17/2022

Lab Reference #: 00162093 Registration: 5157691 Birth: 2008

Sire			Dam			
Sire Name: Breed: Registration: Phenotype:		Re	Dam Name: Breed: Registration: Phenotype:			
Coat Color and Pattern Testing		Gene	etic Disorder	's		
	Tobiano	Alor Tostor		HYPP		Min Trinkel
F	Frame Overo	Vet Pipelini		HERDA		Mol Fession
	Sabino 1	Mil Treat		GBED		Aut Tegred
Sp	lashed White 1	and the state		МН		Maj Tagliej
Sp	lashed White 2	Noti Tinggod	X	IMM	N/N	Horse tested negative for the mutation associated with IMM.
Sp	lashed White 3	And Texting		PSSM 1		Not Teach
А	ppaloosa (LP)	Not Tested		FIS		Mey Farme
	PATN1	Mary Talabard		JEB1		Hill States
Re	ed/Black Factor	Not Tested		JEB2		Not 7 wilet?
	Agouti	Not Tested		CA		A COLUMN
C	Cream Dilution	Not Tested		LFS		Mrt Timbel:
	Dun Dilution	Not Tested		SCID		And Taylor
	Silver Dilution	Net Tall 15		OAAM1		New Years
	Champagne	19 it Turind		WFFS1		ARI Teams
	Pearl Dilution	THE WAY	Gene	etic Marker F	Results	Run Date: Not Tesled
	Gray	ME THE J			-	
		Need:	Al	HT4 AHT5	ASB17	ASB2 ASB23 AME CA425UK
Additional Comments			- L MS3 HMS6	HMS7	HTG10 HTG4 LEX3 LEX33	
			VI	UM011	HMS1	HMS2 HTG6 HTG7

Toll Free: 866.922.6436

Phone: 850.386.2973

Fax: 850.386.1146

Web: www.animalgenetics.com



EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

Provided Information:

Name: KIT KAT SUGAR

Registration: 5157691

Case: NQ114824

Date Received: 12-Sep-2024
Report Issue Date: 18-Sep-2024

Report ID: 7526-5047-9076-4151

Verify report at vgl.ucdavis.edu/verify

DOB: 04/19/2008 Sex: Stallion Breed: Quarter Horse

RESULT

INTERPRETATION

Equine Juvenile
Spinocerebellar Ataxia
No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.



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