



VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

HERDA TEST RESULT

ANDREA SYA KREUZFELDSTRASSE 6 36151 BURGHAUN HESSEN, GERMANY	Case: HRD2211 Date Received: 02-Jun-2009 Report Date: 04-Jun-2009 Report ID: 7954-5165-6563-6015
<i>Name:</i> JACKY DOC WM <i>YOB:</i> 98 <i>Breed:</i> QH <i>Sex:</i> M	<i>Reg:</i> AQHA38166110 <i>Alt. ID:</i>
<i>Sire:</i> SOMEBODYS JACIT <i>Dam:</i> MISTY HOLLY DOC	<i>Reg:</i> AQHA3215605 <i>Reg:</i> AQHA2929287

HERDA Test Result

N/N

Result Codes:

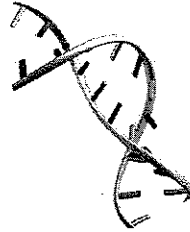
N/N	Normal - horse does not have the HERDA gene
N/HRD	Carrier - horse carries one copy of the HERDA gene
HRD/HRD	Affected - horse has two copies of the HERDA gene

Hereditary equine regional dermal asthenia (**HERDA**) is a degenerative skin disease characterized by hyperextensible skin, scarring, and severe lesions along the back of affected horses. Affected foals rarely show symptoms at birth. The condition typically occurs by the age of two, most notably when the horse is first being broke to saddle. HERDA is an autosomal recessive trait which means that breedings between carrier (N/HRD) horses have a 25% chance of producing an affected foal (HRD/HRD). Breedings between carrier and normal (N/N) horses produce normal foals, but 50% of these are expected to be carriers.

This test is specific for the mutation in the *cyclophilin B* gene (PPIB) that has been shown to be associated with HERDA. For more information go to <http://vgl.ucdavis.edu>.

Equine Genetic Testing Report

Submitted By	AG108868
Andrea Sya Crossfield-Ranch Kreuzfeldstrasse 6 Burghaun, 36151 GERMANY	



Subject Horse	Date Received: 5/21/2011
Horse Name: Jacky Doc Wu Breed: Quarter Horse Phenotype: Buckskin	Registration: 38166110 Sex: Mare Birth: 1998

Sire
Sire Name: Somebody's Jacit Breed: Quarter Horse Registration: 3215605 Phenotype: Sorrel

Dam
Dam Name: Misty Holly Doc Breed: Quarter Horse Registration: 2929287 Phenotype: Buckskin

Coat Color and Pattern Testing		
Tobiano		Not Tested
Frame Overo		Not Tested
Sabino 1		Not Tested
Appaloosa (LP)		Not Tested
Red/Black Factor		Not Tested
Agouti		Not Tested
Cream Dilution		Not Tested
Silver Dilution		Not Tested
Champagne		Not Tested
Pearl Dilution		Not Tested
Gray		Not Tested

Genetic Disorders			
	HYPP		Not Tested
	HERDA		Not Tested
X	GBED	N/Gb	Carrier. Horse is heterozygous and a carrier of the GBED gene mutation.
X	PSSM 1	n/n	Negative for the PSSM Type 1 gene mutation.
	MH		Not Tested
	JEB		Not Tested
	CA		Not Tested
	LFS		Not Tested

Additional Comments
None

Genetic Marker Results							Run Date
-	-	-	-	-	-	-	Not Tested
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK	
-	-	-	-	-	-	-	
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33	
-	-	-	-	-	-	-	
VHL20	UM011	HMS1	HMS2	HTG6	HTG7		

CA = Cerebellar Abiotrophy
 GBED = Glycogen branching enzyme deficiency
 HERDA = Hereditary equine regional dermal asthenia
 HYPP = Hyperkalemic Periodic Paralysis
 JEB1 = Junctional Epidermolysis Bullosa - Belgian Draft Horse
 JEB2 = Junctional Epidermolysis Bullosa - American Saddlebred
 LFS = Lavender Foal Syndrome
 LWO = Lethal White Overo
 MH = Malignant Hyperthermia
 PSSM1 = Polysaccharide Storage Myopathy - Type 1

Thank you for choosing Animal Genetics Inc.