



HERDA REPORT

SUSAN L. WATKINS
6068 S. STATE RD
HAMILTON, IN 46742

Case:	469
Date Received:	4/16/07
Report Date:	4/19/07

<i>Horse:</i> PURE DYNAMIC	<i>Reg:</i> 3387996
<i>YOB:</i> 1995 <i>Breed:</i> AQHA <i>Sex:</i> S	<i>Alt. ID:</i>
<i>Sire:</i> DYNAMIC DELUXE	<i>Reg:</i> 1690981
<i>Dam:</i> POCO UNIQUE FASHION	<i>Reg:</i> 2561823

HERDA Test Result

N/N

Result Codes:

- Hr/Hr Affected – Homozygous for HERDA (two copies of HERDA gene).
- N/Hr Carrier – Heterozygous (one normal gene copy and one HERDA gene copy).
- N/N Normal – Homozygous for the normal gene. Does not possess the disease-causing HERDA gene.

Hereditary Equine Regional Dermal Asthenia (HERDA) is inherited as a recessive trait. This means that breedings between two carrier (N/Hr) horses have a 25% chance of producing an affected foal (Hr/Hr). Affected foals generally appear normal at birth and may not show clinical signs of the disorder (fragile, excessively stretchy skin) until they reach one to two years of age. Foals produced by matings between carrier (N/Hr) and normal (N/N) horses always appear to be normal, but 50% of these are expected to be carriers. We therefore recommend DNA testing all offspring produced by carriers of this trait.

Equine Genetic Testing Report

Submitted By	AG107256
Lori Watkins Cooper Quarter Horses 6068 South State Rd. 1 Hamilton, IN 46742	



Subject Horse	Date Received: 3/31/2012
Horse Name: Pure Dynamic Breed: Quarter Horse Phenotype: Black	Registration: 3387966 Sex: Stallion Birth: 1995

Sire
Sire Name: Dynamic Deluxe Breed: Registration: Phenotype:

Dam
Dam Name: Pocos Unique Fashion Breed: Registration: Phenotype:

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
	GBED		Not Tested
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 Result							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 = Malinnant Hyperthermia

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 DAVIS, CALIFORNIA 95616-8744

GBED REPORT

SUSAN L. WATKINS
 6068 SOUTH STATE ROAD 1
 HAMILTON, IN 46742

Case:	GBE247
Date Received:	06-Apr-2007
Report Date:	16-Apr-2007

<i>Horse:</i> PURE DYNAMIC	<i>Reg:</i> 3387996
<i>YOB:</i> 95 <i>Breed:</i> QH <i>Sex:</i> S	<i>Alt. ID:</i>
<i>Sire:</i> DYNAMIC DELUXE	<i>Reg:</i> 1690981
<i>Dam:</i> POCOS UNIQUE FASHION	<i>Reg:</i> 2561823

GBED Test Result

N/N

Result Codes:

- G/G Affected - Homozygous for GBED (two copies of the GBED gene).
- N/G Carrier - Heterozygous (one normal and one GBED gene).
- N/N Normal - Does not possess the disease-causing GBED gene.

The condition is inherited as a recessive trait. This means that breedings between two carrier (N/G) horses have a 25% chance of producing an affected foal (G/G). Affected foals usually die at a young age or will need to be euthanized due to weakness. Breedings between carrier and normal (N/N) horses produce only normal foals but 50% of these are expected to be carriers.

Equine DNA Test Results

Registration #

3387996

Horse Breed

Quarter Horse

Horse Name

Pure Dynamic

Gender

Stallion

Appearance

Brown

Agouti: Heterozygous (Aa)

Date Received: June 17, 2008

Sire Name: Dynamic Deluxe

Sire Reg: 1690981

Sire Breed: Quarter Horse

Sire Color: Brown

Dam Name: Pocos Unique Fashion

Dam Reg: 2561823

Dam Breed: Quarter Horse

Dam Color: Black



Submitted By:

Susan L. Watkins	
Black Creek Crossing	
6172 S. State Rd 1	
Hamilton	IN
46742	

Owner:

Susan L. Watkins	
Black Creek Crossing	
6172 S. State Rd 1	
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