

**AMERICAN QUARTER HORSE GENETIC HEALTH  
 PANEL TEST REPORT**

<b>Client/Owner/Agent Information:</b> AMERICAN QUARTER HORSE ASSOCIATION		<b>Date Received:</b> 09-Apr-2018 <b>Report Issue Date:</b> 16-Feb-2023 <b>Report ID:</b> 3519-7944-7148-0199 <b>Reissue of:</b> 5473-9882-4216-1151
<b>Provided Information:</b> <b>Name:</b> DUAL REYISH <b>Registration:</b> 5673738		
<b>YOB: 2014 Sex: Stallion Breed: Quarter Horse Alt. ID: 6660856</b>		
<b>Sire:</b> HOTTISH <b>Reg:</b> 5069512 <b>Microchip:</b>	<b>Dam:</b> A LITTLE REYLENA <b>Reg:</b> 4522460 <b>Microchip:</b>	

**RESULT**

**INTERPRETATION**

Glycogen Branching Enzyme Deficiency (GBED)	N/N	Normal. No copies of the GBED allele detected.
Hereditary Equine Regional Dermal Asthenia (HERDA)	N/N	Normal. No copies of the HERDA allele detected.
Hyperkalemic Periodic Paralysis (HYPP)	N/N	Normal. No copies of the HYPP allele detected.
Malignant Hyperthermia (MH)	N/N	Normal. No copies of the MH allele detected.
Polysaccharide Storage Myopathy Type I (PSSM1)	N/N	Normal. No copies of the PSSM1 allele detected.

**Additional Information**

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on American Quarter Horse Genetic Health Panel test results, please visit our website at: [www.vgl.ucdavis.edu/panel/quarter-horse-disease-panel](http://www.vgl.ucdavis.edu/panel/quarter-horse-disease-panel)

**License Information**

The GBED test is performed under a license agreement with the University of Minnesota.

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

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## Equine Genetic Testing Report

**Submitted By**

Debbie Patterson  
Brazos Valley Stallion Station LP  
21351 N US Hwy 377  
Stephenville, TX 78401



**Subject Horse**

Date Received: 1/12/2021

Horse Name: **Dual Reyish**  
Breed: Quarter/Paint Horse  
Phenotype: Chestnut  
Sex: Stallion

Lab Reference #: 00147203  
Registration: 5673738/1,098,484  
Birth: 2014

**Sire**

Sire Name: **Hottish**  
Breed: Quarter Horse  
Registration:  
Phenotype:

**Dam**

Dam Name: **A Little Reylena**  
Breed: Quarter Horse  
Registration:  
Phenotype:

**Coat Color and Pattern Testing**

Tobiano	Not Tested
Frame Overo	Not Tested
Sabino 1	Not Tested
Splashed White 1	Not Tested
Splashed White 2	Not Tested
Splashed White 3	Not Tested
Appaloosa (LP)	Not Tested
PATN1	Not Tested
Red/Black Factor	Not Tested
Agouti	Not Tested
Cream Dilution	Not Tested
Dun 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
	MH		Not Tested
X	IMM	N/N	Horse tested negative for the mutation associated with IMM.
	PSSM 1		Not Tested
	FIS		Not Tested
	JEB1		Not Tested
	JEB2		Not Tested
	CA		Not Tested
	LFS		Not Tested
	SCID		Not Tested
	OAAM1		Not Tested
	WFFS1		Not Tested

**Additional Comments**

None

**Genetic Marker Results**

Reference: Not Tested

-	-	-	-	-	-	-
AHT4	AHT3	ASB17	ASB2	ASB23	AME	CA425UK
-	-	-	-	-	-	-
HMS3	HMS6	HMS7	HTG10	HTG4	LEX1	LEX31
-	-	-	-	-	-	-
VHL20	UM011	HMS31	HMS2	HTG9	HTG7	



**EQUINE JUVENILE SPINOCEREBELLAR ATAXIA  
 TEST REPORT**

<b>Provided Information:</b>		<b>Case:</b>	
<b>Name:</b>	<b>DUAL REYISH</b>	<b>Date Received:</b>	02-Aug-2024
<b>Registration:</b>	<b>5673738</b>	<b>Report Issue Date:</b>	06-Aug-2024
		<b>Report ID:</b>	4799-5753-1606-4026
Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a>			
<b>DOB: 04/30/2014 Sex: Stallion Breed: Quarter Horse</b>			
<b>Sire:</b>	HOTTISH	<b>Dam:</b>	A LITTLE REYLENA
<b>Reg:</b>	5069512	<b>Reg:</b>	4522460
<b>Microchip:</b>		<b>Microchip:</b>	

**RESULT**

**INTERPRETATION**

<b>Equine Juvenile Spinocerebellar Ataxia</b>	<b>N/N</b>
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Normal. No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.