

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

Client/Owner/Agent Information: AMERICAN QUARTER HORSE ASSOCIATION		Date Received: 03-Oct-2018 Report Issue Date: 16-Feb-2023 Report ID: 4290-4594-3664-4164 Reissue of: 7180-5893-1283-3115
Provided Information: Name: ROLLZ ROYCE Registration: 5612660		
YOB: 2014 Sex: Stallion Breed: Quarter Horse Alt. ID: 6612263		
Sire: DUAL SMART REY Reg: 4322331 Microchip:	Dam: SHOW BIZ KITTY Reg: 4426918 Microchip:	

RESULT

INTERPRETATION

Glycogen Branching Enzyme Deficiency (GBED)	N/G	Carrier. One copy 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 1 (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

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

Veterinary Genetics Laboratory · University of California Davis · One Shields Ave · Davis, CA 95616
vgl.ucdavis.edu · (530) 752-2211



Equine Genetic Testing Report



Submitted By
Debbie Patterson
Brazos Valley Stallion Station LP
21351 N US Hwy 377
Stephenville, TX 76401

Date Received: 1/26/2022

Subject Horse

Horse Name: Rollz Royce	Lab Reference #: 00162861
Breed: Quarter Horse	Registration: 5612660
Phenotype: Sorrel	Birth: 2014
Sex: Stallion	

Sire

Sire Name: Dual Smart Rey
Breed:
Registration:
Phenotype:

Dam

Dam Name: Show Biz Kitty
Breed:
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			
			Not Tested
			Not Tested
			Not Tested
			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							Run Date	Not Tested
-	-	-	-	-	-	-		
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK		
-	-	-	-	-	-	-		
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33		
-	-	-	-	-	-	-		
VHL20	UM011	HMS1	HMS2	HTG6	HTG7			