



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

Client/Owner/Agent Information: AMERICAN QUARTER HORSE ASSOCIATION		Date Received: 17-May-2018 Report Issue Date: 16-Feb-2023 Report ID: 4472-7887-3343-2184 Reissue of: 0863-5357-6736-9084
Provided Information: Name: COOL N HOT Registration: 5629768		
YOB: 2014 Sex: Stallion Breed: Quarter Horse Alt. ID: 6621833		
Sire: HOTTISH Reg: 5069512 Microchip:	Dam: DONAS COOL CAT Reg: 4204959 Microchip:	

RESULT

INTERPRETATION

Glycogen Branching Enzyme Deficiency (GBED)	N/N	Normal. No copies of the GBED allele detected.
Hereditary Equine Regional Dermal Asthenia (HERDA)	N/HRD	Carrier. One copy 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

Subject Horse

Date Received: 1/12/2021

Horse Name: **Cool N Hot** Lab Reference #: 00147204
 Breed: Quarter Horse Registration: 5629768
 Phenotype: Chestnut Birth: 2014
 Sex: Stallion

Sire

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

Dam

Dam Name: Donas Cool Cat
Breed: Quarter Horse
Registration: 4204959
Phenotype: Sorrel

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 Run Date: Not Tested

-	-	-	-	-	-	-
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK
-	-	-	-	-	-	-
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33
-	-	-	-	-	-	-
VHL20	UMG11	HMS1	HMS2	HTG6	HTG7	